LG

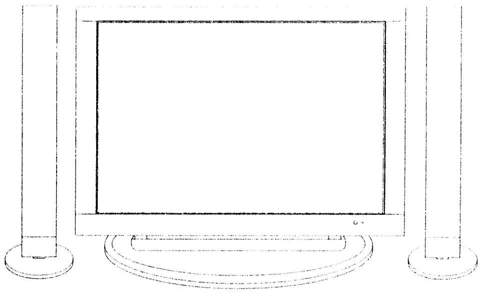
PDP MONITOR
SERVICE MANUAL

CHASSIS : NF-01DC

MODEL : MZ-42PZ13/B
MT-42PZ11/B

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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SVC. Sheet ....

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **Isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitary that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

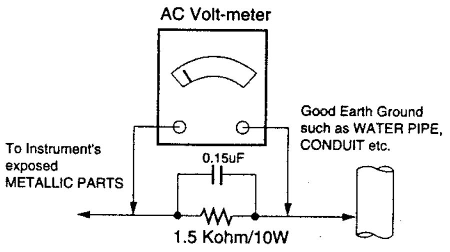
Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube.** Do not lift the Picture tube by it's Neck.

Leakage Current Cold Check(Antenna Cold Check)
With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on positioin, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)
Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each esposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits sepcified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit


AC Volt-meter
To Instrument's exposed METALLIC PARTS
Good Earth Ground such as WATER PIPE, CONDUIT etc.
0.15uF
1.5 Kohm/10W

SPECIFICATIONS

Note : Specification and others are subject to change without notice for improvement.

• MONITOR

- **Video receiving system:**
  PAL
  SECAM
  NTSC-M
  NTSC 4.43
- **Input Voltage :** MZ-42PZ13 : AC 200~240V, 50/60Hz
  MT-42PZ11 : AC 110~240V, 50/60Hz
- **Power consumption :** 300W
  Stand-By : 5W
- **PDP Module :** PDP42WVSN2
- **Speaker Impedance :** 8 ohm
- **Sound output :** 10W max
- **Feature :** AV Input (Bottom)
  Component Input (Bottom)
  RGB Input (Bottom,D-Sub 15pin)
  External SPK Out (Bottom,SPK Jack)
  RS-232C
- **Funtion :** PIP
  DRP
- **External Interface**

AV/COMPONENT Output

ITEM	MIN	TYP	MAX	UNIT
AV Video in	0.85	1.00	1.15	Vpp
AV SYNC in	0.24	0.29	0.32	Vppz
AV Burst in	0.14	0.28	0.35	Vpp
AV Video in,L/R	0.47	0.63	0.79	V
AV Audio in,L/R	0.47	0.63	0.79	V
Component Video in	0.6	0.7	0.8	Vpp
RGB/HV in	0.6	0.7	0.8	Vpp

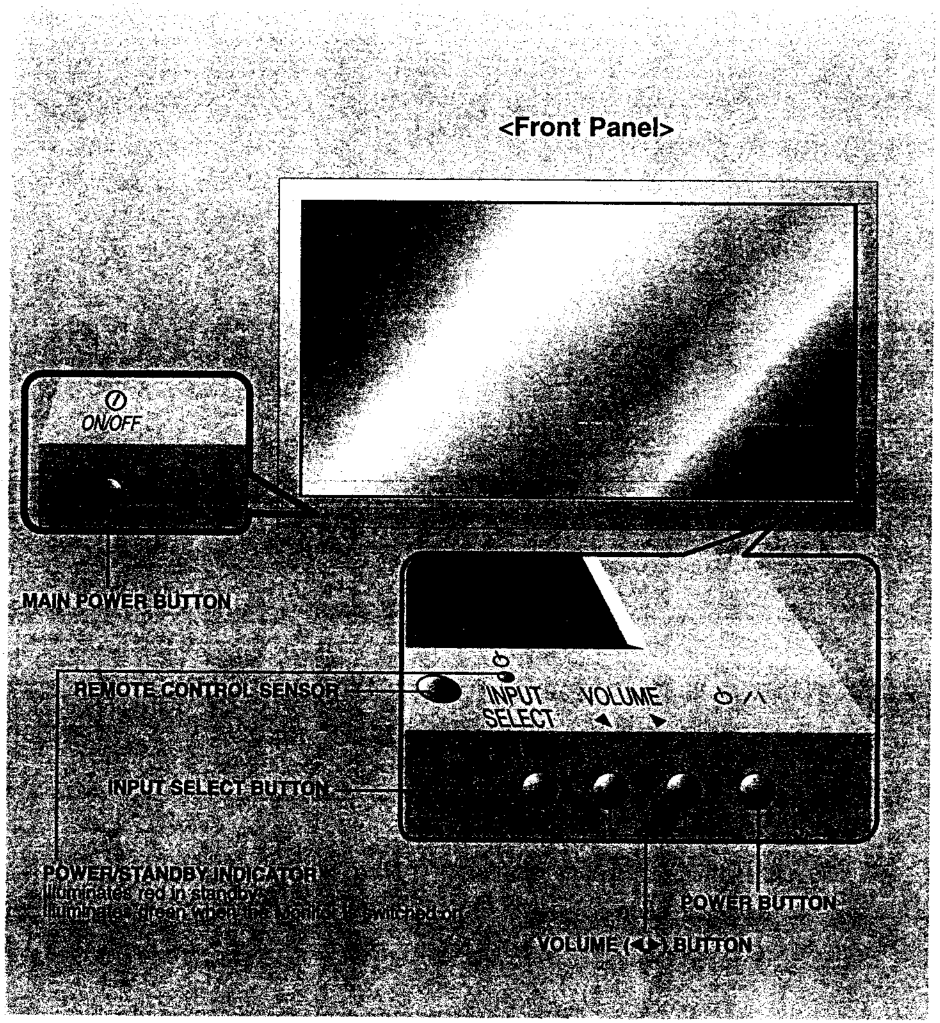
COMPONENT Mode (Y,Cb/Pb,Cr/Pr)

REsolution	H-Freq(Khz)	V-Freq(hz)	Proposed
640*480	15.73	60	SDTV,DVD 480I
704*480	31.47	59.94	SDTV 480P
1280*720	45.00	60	HDTV 720P
1280*720	44.96	59.94	HDTV 720P
1920*1080	33.75	60	HDTV 1080I
1920*1080	33.72	59.94	HDTV 1080I

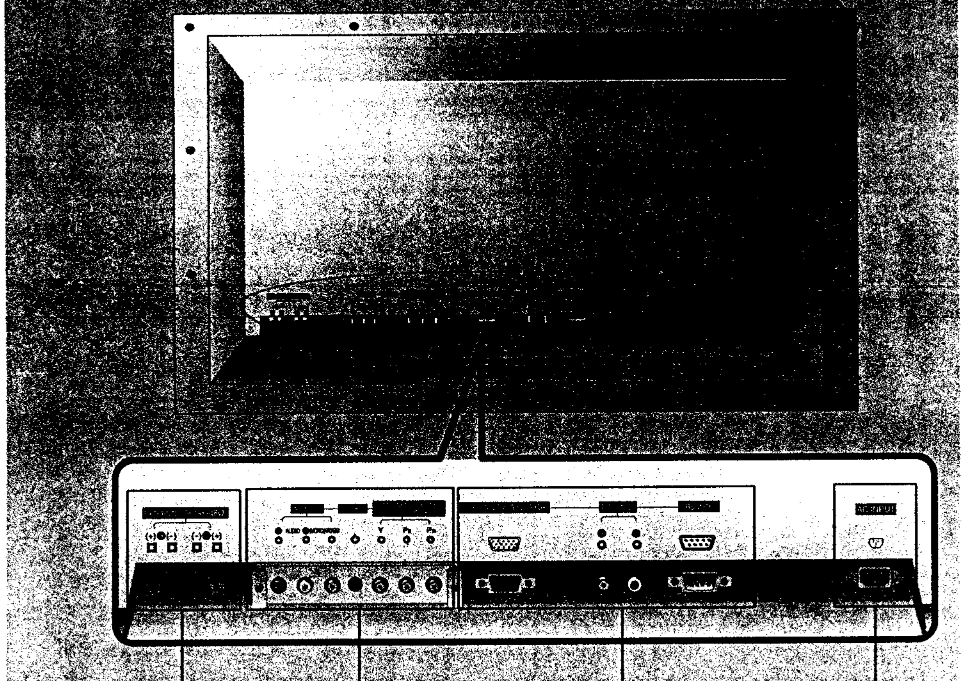
RS-232C Signal

PIn No	Pin Name	Spec.
1	DCD	NC
2	RXD	3.0~4.5Vpp
3	TXD	3.0~4.5Vpp
4	DTR	4Vpp ±0.5
5	GND	GND
6	DSR	High/Low
7	RTS	NC
8	CTS	NC
9	RI	NC

CONTROL DESCRIPTIONS


<Front Panel>
ON/OFF
MAIN POWER BUTTON
REMOTE CONTROL SENSOR
INPUT SELECT
VOLUME
INPUT SELECT BUTTON
POWER/STANDBY INDICATOR
Illuminates red in standby.
Illuminates green when the Monitor is switched on
POWER BUTTON
VOLUME (◀ ▶) BUTTON

<Back Panel>



EXTERNAL SPEAKER (8Ω) KNOBS

AV INPUT / COMPONENT (480i/480p) DVD INPUT SOCKETS

► The Interface board (AP-42EA20/21) is not equipped on MZ-42PZ13B model. Contact your dealer for buying this optional item.

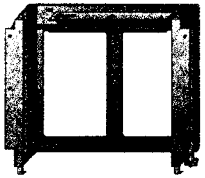
RGB PC INPUT (VGA/SVGA/XGA) / AUDIO INPUT / RS-232C SOCKET

POWER INPUT SOCKET

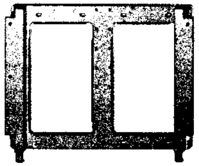
This Monitor operates on an AC mains supply, the voltage is as indicated as inside back cover of this manual. Never apply DC power to the Monitor.

Optional Extras

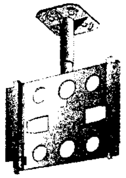
- Optional extras can be changed or modified for quality improvement without any notification new optional extras can be added.
- Contract your dealer for buying these items.



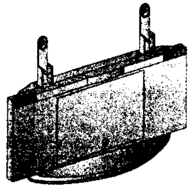
AP-42WA20 series
(Tilt wall mounting bracket)



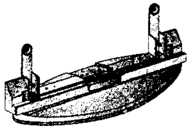
AP-42WA10 series
(Wall mounting bracket)



AP-42CA10 series
(Ceiling mounting bracket)



AP-42FA10 series
(Floor type stand)



AP-42DA10 series
(Desktop stand)

AP-42SA10 series
(Speakers)

AP-42SA10D series
(Speaker stand)

AP-42SA10F series
(Floor type speaker stand)

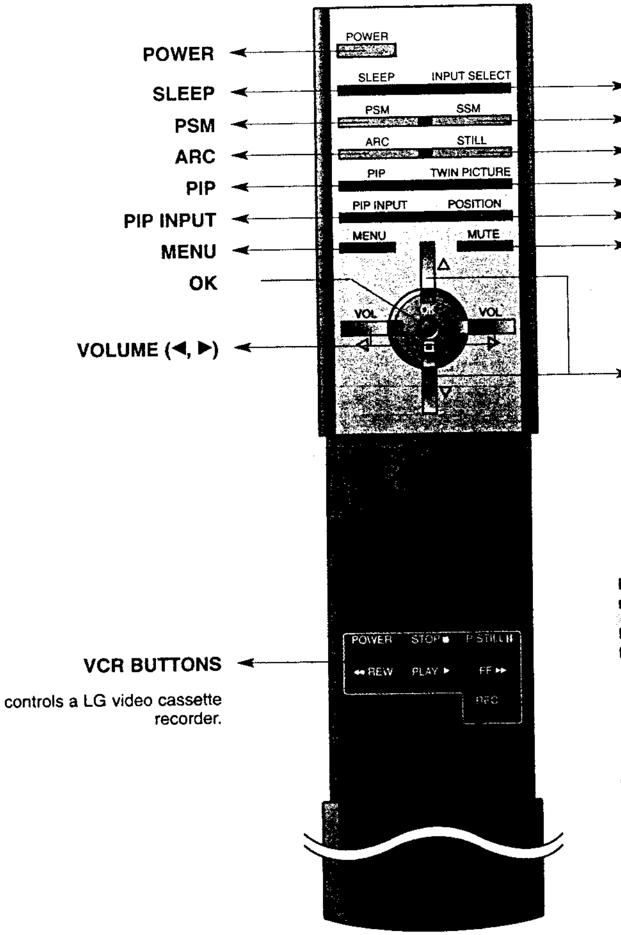
Video cables

Audio cables

AP-42EA20/21 (Interface board)

Controls of the remote control

- When using the remote control aim it at the remote control sensor of the Monitor.



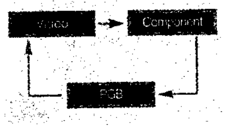
POWER
SLEEP
PSM
ARC
PIP
PIP INPUT
MENU
OK
VOLUME (◄, ►)

INPUT SELECT
SSM
STILL
TWIN PICTURE
POSITION
MUTE
switches the sound on or off.

▲/▼
selects a menu item.

VCR BUTTONS
controls a LG video cassette recorder.

INPUT SELECT button on the remote control
Each press of this button changes the mode as below.



ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions are applied to all of the PDP monitor, NF-01DC.

2. Notes

(1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.
(2) Adjustment must be done in the correct order.
(3) The adjustment must be performed in the circumstance of 25±5°C of temperature and 65±10% of relative humidity if there is no specific designation.
(4) The input voltage of the receiver must keep 220/230V, 50/60Hz in adjusting.
(5) The receiver must be operated for about 15 minutes prior to the adjustment.

1) After receiving 100% white pattern, the receiver must be operate prior to adjustment.(Or white condition in HEAT-RUN mode)
2) Enter into HEAT-RUN mode
   - Select the HEAT-RUN OFF by pressing SVC button on Remote Control for adjustment.
   - Press the VOL + button in HEAT-RUN OFF. (OSD display HEAT-RUN WHITE and screen display 100% full WHITE PATTERN)
3) Set is activated HEAT-RUN without SET TOP BOX or signal generator in this mode.

* Single color pattern of HEAT-RUN mode uses to check PANEL.(RED/BLUE/GREEN)

[Caution] *If you turn on a still screen more than 20 minutes, a afterinage may be occur in the black level part of the screen.*

3. POWER PCB Assy Voltage Adjustment

* Replace PDP Module or Power Board, adjust certainly Power PCB Assy Voltage.

3-1. Test Equipment

D.M.M 1EA

3-2. Connection Diagram for Measuring

Refer to Fig 1.

3-3. Adjustment Method

(1) Va Adjusment(Address Voltage Adjusment)
1) Connect pin 1 of CN806 or CN811 to (+) jack of D.M.M.
2) After turning the VR351(Va Adj), voltage of D.M.M adjustment as same as Va voltage which on label of panel right/bottom.(Deviation : ±0.5V)

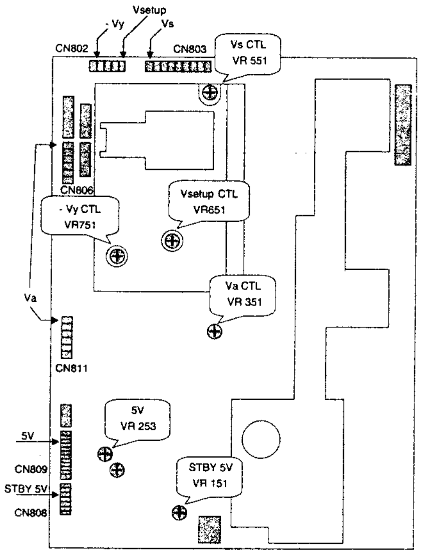
(2) Vs Adjustment
1) Connect pin 1 of CN803 to (+) jack of D.M.M.
2) After turning the VR551(Vs Adj), voltage of D.M.M adjust as same as Vs voltage which indicated on label of panel right/bottom.(Deviation : ±0.5V)

(3) V-y Adjustment
1) Connect pin 1 of CN802 to (+) jack of D.M.M.
2) After turning the VR751(V-y Adj), voltage of D.M.M adjust as same as Vs voltage which indicated on label of panel right/bottom.(Deviation : ±0.5V)

(4) Vsetup Adjustment
1) Connect pin 5 of CN802 to (+) jack of D.M.M.
2) After turning the VR651(Vsetup Adj),voltage of D.M.M adjust as same as Vs voltage which indicated on label of panel right/bottom.(Deviation : ±0.5V)

(5) 5V Adjustment
1) Connect pin 3 of CN809 to (+) jack of D.M.M.
2) Adjust the voltage data of D.M.M to 5.1V by turning.(Deviation : ±0.5V)

(6) STBY-5V Adjustment
1) Connect pin 3 of CN808 to (+) jack of D.M.M.
2) Check the voltage(5V) of D.M.M.
3) Adjust the voltage data of D.M.M so that voltage data of D.M.M is 5V.(Deviation : ±0.5V)



<Fig 1> Connection Diagram of Power Adjustment for Measuring

Refer to Typical Voltage

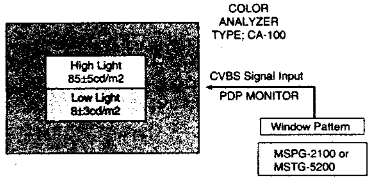
Va	55 ~ 75V
Vs	170 ~ 195V
Vy	-70 ~ -100V
Vsetup	240 ~ 290V

4. Adjustment of White Balance

4-1. Required Equipment

Color analyzer(CA-100 or same production)

4-2. Connection Diagram of Equipment for Measuring


COLOR
ANALYZER
TYPE; CA-100
High Light
85±5cd/m2
Low Light
8±3cd/m2
CVBS Signal Input
PDP MONITOR
Window Pattern
MSPG-2100 or
MSTG-5200

<Fig 2> Connection Diagram of Automatic Adjustment

∗ After stop the Micom by pressing IN-START Key on Remote Control, insert the P1002 with automatic adjustment of connector.
After remove connector, move the Micom by pressing ENTER Key.

4-3. Adjustment of White Balance

- White Balance should be done after RGB cut-off become adjustment.
- Operate the Zero-calibration of the CA—100, then stick sensor to PDP module surface when you adjust.

(1) Select WHITE PATTERN of HEAT RUN mode by pressing ADJ button on Remote Control for adjustment then operate HEAT RUN more than 15 minute.

(2) Supply 10 step gray scale bar signal in pattern generater. (A/V Input)

(3) To adjust Low Light, stick sensor to 9th pattern(Dark), select the W/B by pressing ADJ button on Remote Control for adjustment and press the VOL + button enter Adjustment Mode.
After select the G cut and B cut, press the VOL +/- Key and adjust it until color coordination becomes (R cut fixation)
color coordination : X=0.280±0.005, Y=0.310±0.005
color temperature : 8.800°K ± 500°K

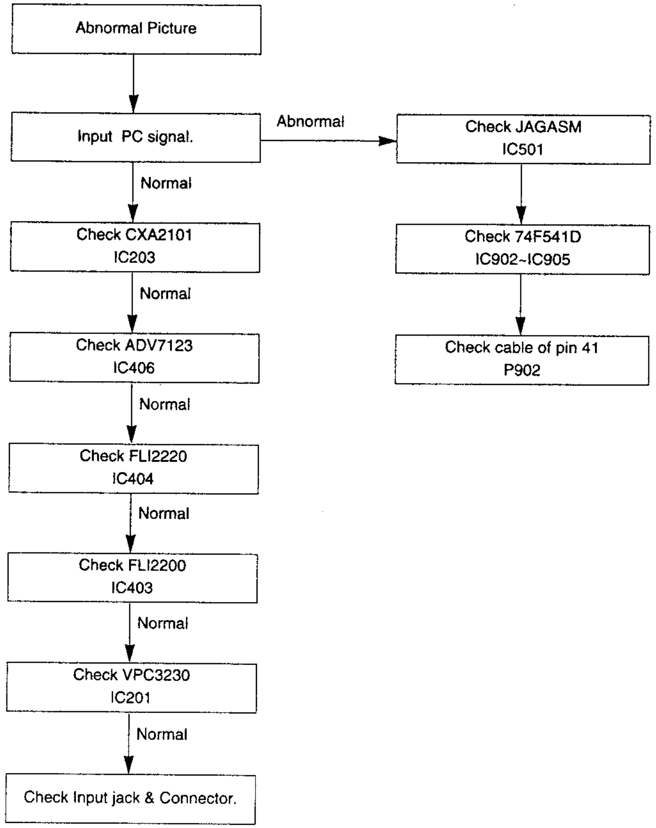
(4) To adjust High Light, stick sensor to 2th pattern(White), select the W/B by pressing ADJ button on Remote Control for adjustment and press the VOL + button enter Adjustment Mode.
After select the R GAIN and G GAIN, press the VOL +/- Key and adjust it until color coordination becomes (B GAIN fixation)
color coordination : X=0.280±0.005, Y=0.310±0.005
color temperature : 8.800°K ± 500°K

(5) Confirm the result of the High Light adjustment.
If the deviation of High Light occur, operate the adjustment of Low Light and High Light again.

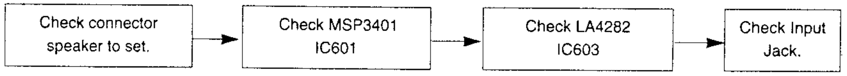
(6) Exit adjustment mode using Enter button.

TROUBLESHOOTING

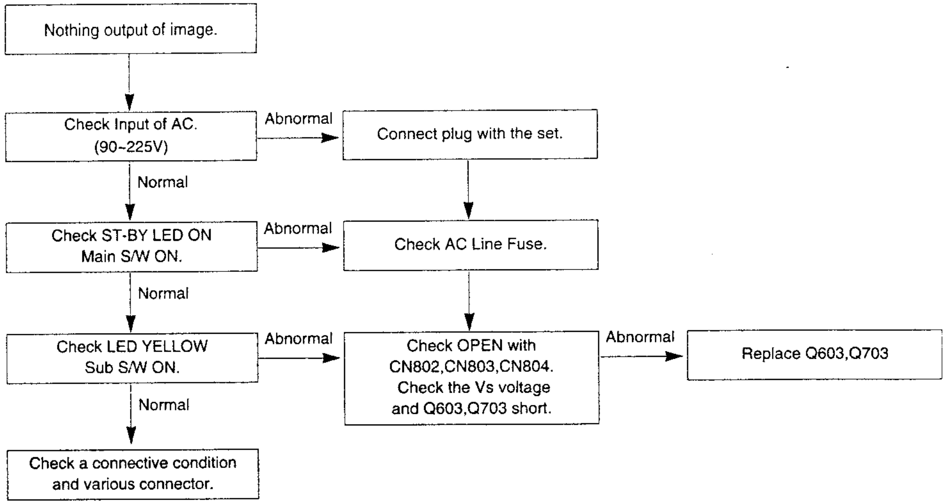
1. No Video


Abnormal Picture
Input PC signal.
Abnormal
Check JAGASM
IC501
Check 74F541D
IC902~IC905
Check cable of pin 41
P902
Normal
Check CXA2101
IC203
Normal
Check ADV7123
IC406
Normal
Check FLI2220
IC404
Normal
Check FLI2200
IC403
Normal
Check VPC3230
IC201
Normal
Check Input jack & Connector.

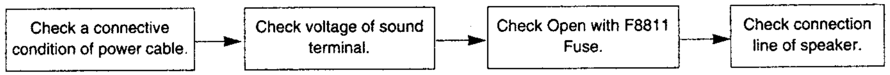
2. No Sound


Check connector
speaker to set.
Check MSP3401
IC601
Check LA4282
IC603
Check Input
Jack.

3. No Video

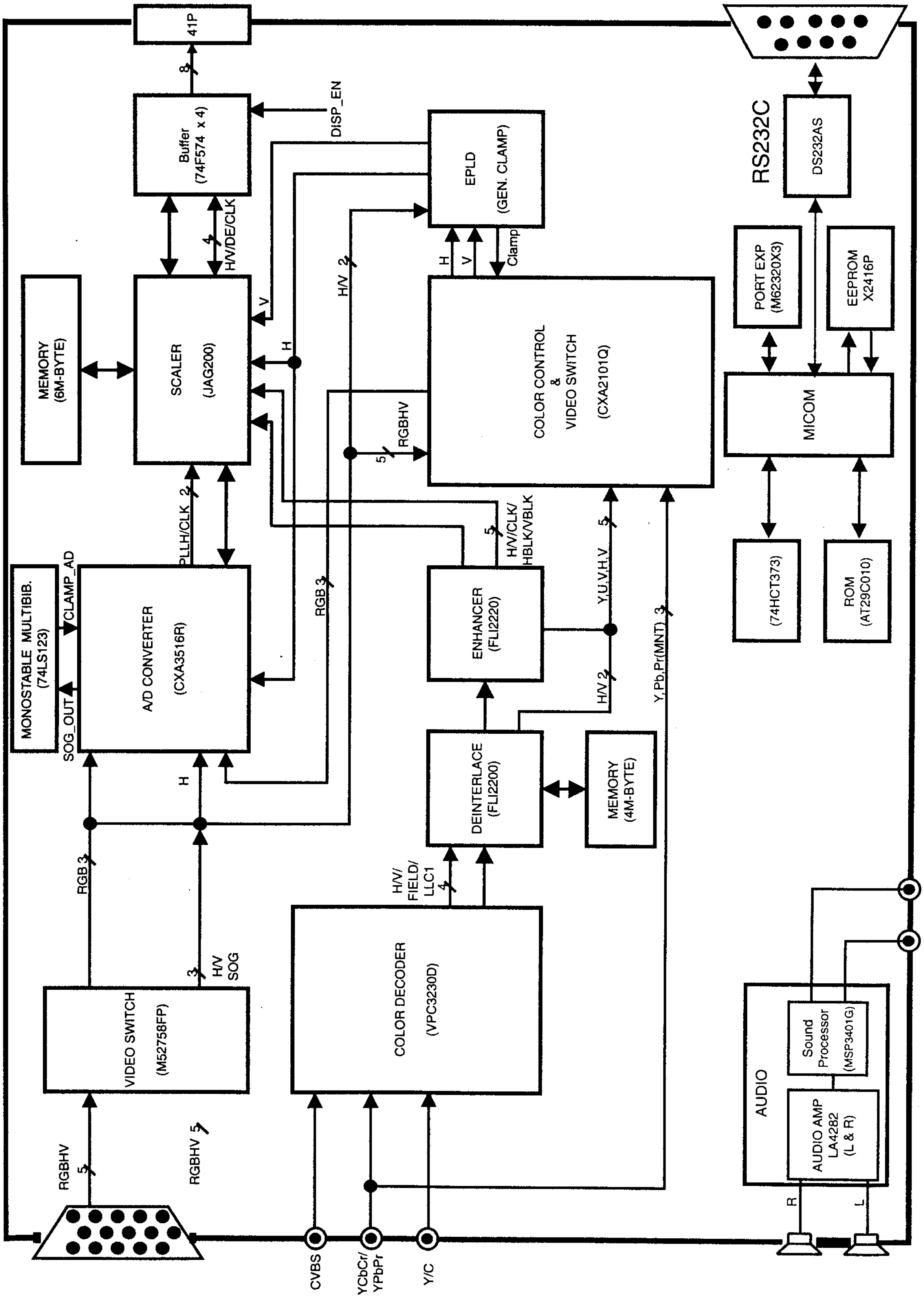

Nothing output of image.
Check Input of AC. (90~225V)
Abnormal
Connect plug with the set.
Normal
Check ST-BY LED ON Main S/W ON.
Abnormal
Check AC Line Fuse.
Normal
Check LED YELLOW Sub S/W ON.
Abnormal
Check OPEN with CN802,CN803,CN804. Check the Vs voltage and Q603,Q703 short.
Abnormal
Replace Q603,Q703
Normal
Check a connective condition and various connector.

4. No Sound

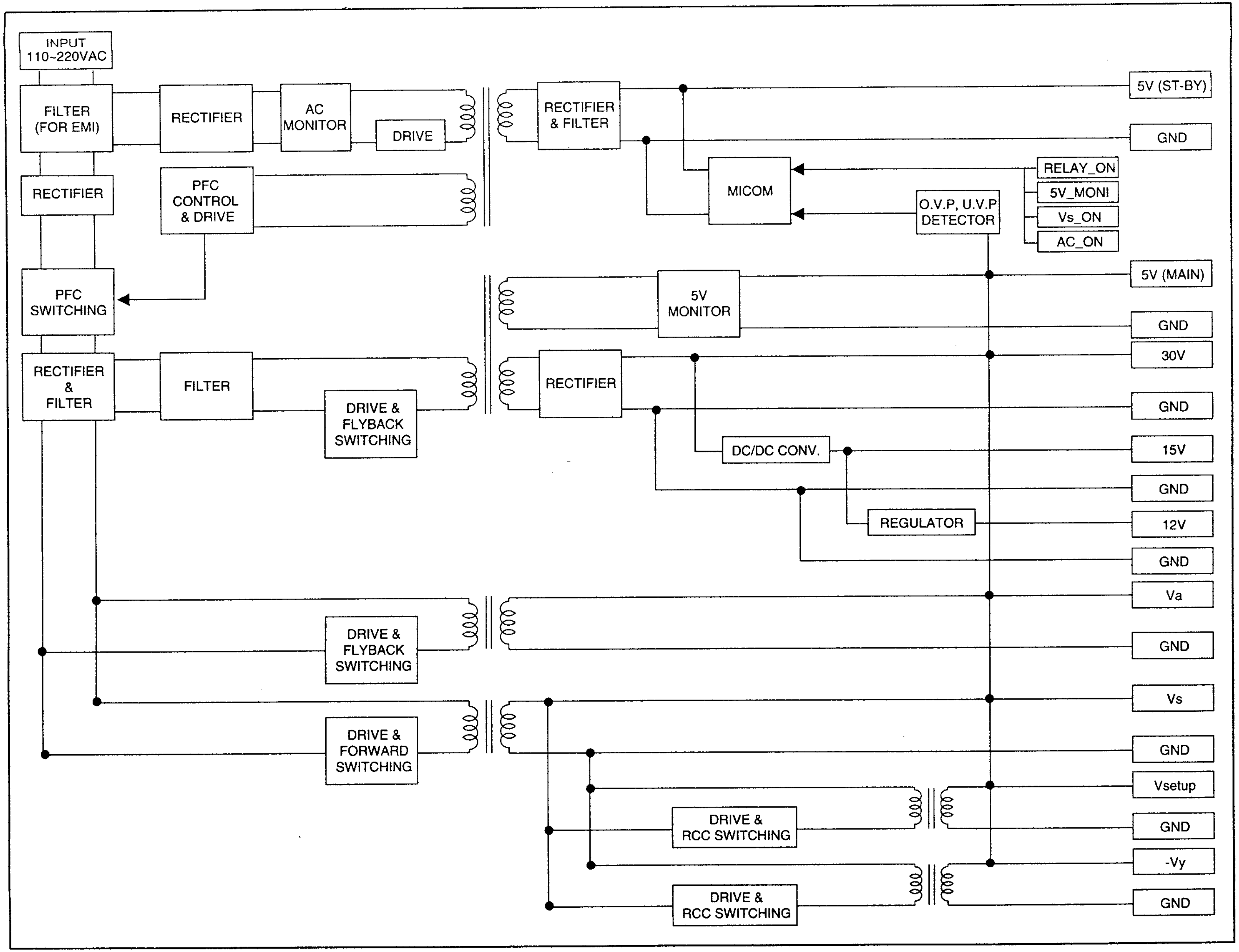

Check a connective condition of power cable.
Check voltage of sound terminal.
Check Open with F8811 Fuse.
Check connection line of speaker.

BLOCK DIAGRAM

1. VSC

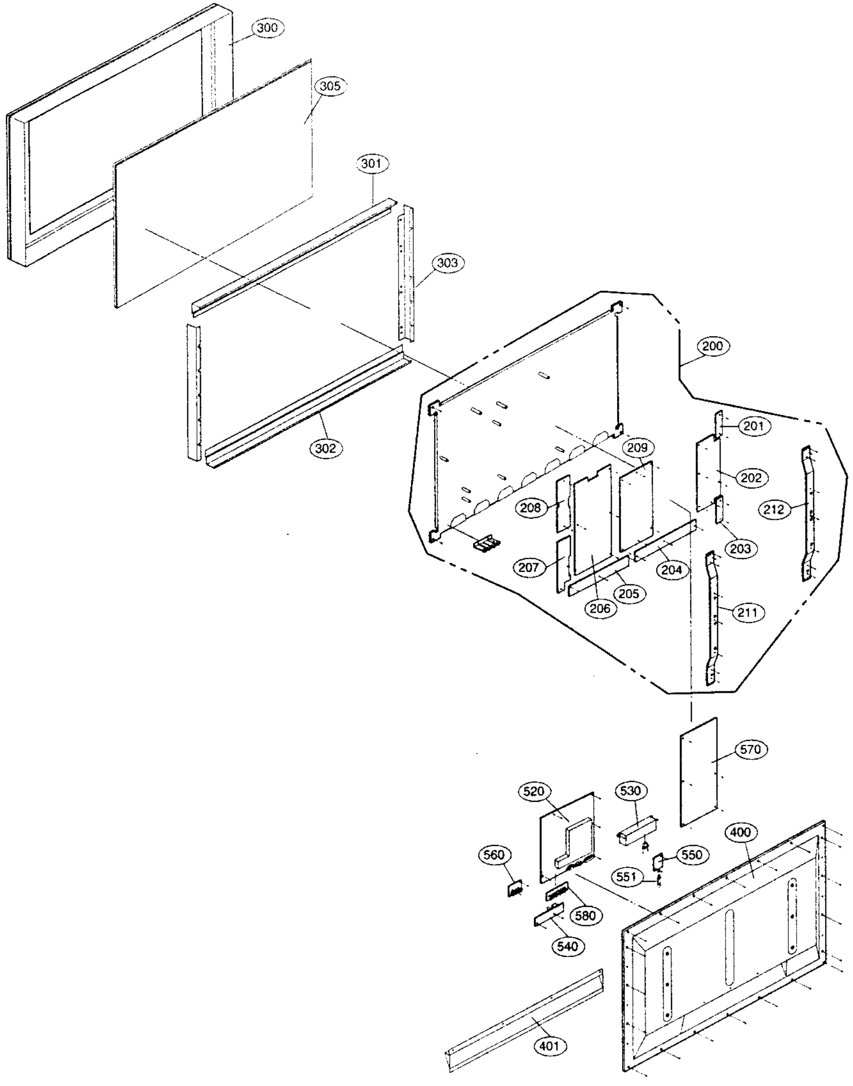

41P
8
Buffer
(74F574 x 4)
DISP_EN
EPLD
(GEN. CLAMP)
RS232C
DS232AS
4
H/V/DE/CLK
H/V 2
H
V
Clamp
PORT EXP
(M62320X3)
EEPROM
X2416P
MEMORY
(6M-BYTE)
SCALER
(JAG200)
V
H
COLOR CONTROL
&
VIDEO SWITCH
(CXA2101Q)
MICOM
RGBHV
5
PLLH/CLK 2
H/V/CLK/
HBLK/VBLK
5
Y,U,V,H,V 5
(74HCT373)
ROM
(AT29C010)
MONOSTABLE MULTIBIB.
(74LS123)
CLAMP_AD
SOG_OUT
A/D CONVERTER
(CXA3516R)
RGB 3
ENHANCER
(FLI2220)
H/V 2
Y,Pb,Pr(MNT) 3
H
DEINTERLACE
(FLI2200)
MEMORY
(4M-BYTE)
RGB 3
H/V/
FIELD/
LLC1
4
3
H/V
SOG
VIDEO SWITCH
(M52758FP)
COLOR DECODER
(VPC3230D)
AUDIO
Sound
Processor
(MSP3401G)
AUDIO AMP
LA4282
(L & R)
RGBHV
5
RGBHV 5
R
L
CVBS
YCbCr/
YPbPr
Y/C

2. POWER


INPUT 110~220VAC
FILTER (FOR EMI)
RECTIFIER
AC MONITOR
DRIVE
RECTIFIER & FILTER
5V (ST-BY)
GND
RECTIFIER
PFC CONTROL & DRIVE
MICOM
RELAY_ON
5V_MONI
Vs_ON
AC_ON
O.V.P, U.V.P DETECTOR
PFC SWITCHING
5V MONITOR
5V (MAIN)
GND
30V
RECTIFIER & FILTER
FILTER
DRIVE & FLYBACK SWITCHING
RECTIFIER
GND
DC/DC CONV.
15V
GND
REGULATOR
12V
GND
Va
DRIVE & FLYBACK SWITCHING
GND
Vs
DRIVE & FORWARD SWITCHING
GND
Vsetup
DRIVE & RCC SWITCHING
GND
-Vy
DRIVE & RCC SWITCHING
GND

MEMO

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
200	6348Q-E001B	PDP,42" 16:9 852*480 SINGLE SCAN-N
201	6871VSN173A	Z-CON-TOP
202	6871VSN173B	Z-DRV
203	6871VSN173C	Z-CON-BOTTOM
204	6871VSN173D	X-RIGHT
205	6871VSN173E	X-LEFT
206	6871VSN173F	Y-SUS
207	6871VSN173G	Y-DRV LOW
208	6871VSN173H	Y-DRV UP
209	6871VSN173J	CNTL
211	4980V00240A	SUPPORTER,VERTICAL EGI
212	4980V00240B	SUPPORTER,VERTICAL EGI
300	3091V00327A	CABINET ASSY.LG SPRAY
	3091V00327B	CABINET ASSY.LG SPRAY BLACK
301	4980V00266E	SUPPORTER,FILTER TOP
302	4980V00267E	SUPPORTER,FILTER BOTTOM
303	4980V00268E	SUPPORTER,FILTER SIDE
305	3790V00281C	WINDOW,1142G02C MN42PZ10 ETCHING MESH
	3790V00279A	WINDOW,FD42X3 GLASS
400	3809V00279G	BACK COVER ASSEMBLY
	3809V00245J	BACK COVER ASSEMBLY. BLACK
401	3300V00096E	PLATE AV ASSY DARK
520	6871VMM701E	PWB ASSY,MAIN
530	3501V00053A	BOARD ASSY,EMI FILTER
	3501V00076A	BOARD ASSY,PDP POWER FILTER
540	6871VSM909A	PWB ASSY,NF-01DC MNT CONT
550	6871VSM911A	PWB ASSY,NF-01DC MNT POWE
551	5020V00457A	BUTTON 1KEY
	5020V00457B	BUTTON 1KEY BLACK
560	6871VSM910A	PWB ASSY,NF-01DC MNT SPK
570	3501V00052A	BOARD ASSY,AC/DC CONVERTOR
	3501V00077A	BOARD ASSY,PDP POWER BOARD
580	6871VSMA90B	PWB ASSY,AV PACK

REPLACEMENT PARTS LIST(MONITOR)

IC

LOCA. NO	PART NO	DESCRIPTION
IC102	0IDS232000A	DS232AS 16P,SOP TP RS-232 DRIV
IC104	0IMO741230E	SN74LS123D 14P,SOP TP MONO MUL
IC201	0IIT323000C	VPC3230D-QA-B3 80P PQFP BK COM
IC202	0IKE704200J	KIA7042AF SOT-89 TP 4.2V VOLTA
IC203	0ISO210100B	CXA2101AQ 80P,QFP BK VIDEO SIG
IC204	0ISH092100A	PQ09RF21 4P 9V S/W REGULATOR -
IC402	0ISS464323A	K4S643232E(C)-TC/L70(KM432S203
IC403	0IMCRG2001A	FLI2200 SAGE 176P,QFP TRAY VID
IC404	0IMCRG2002A	FLI2220 SAGE 160P,QFP TRAY DIG
IC406	0IMCRAD001A	ADV7123KSTC140 ANALOG DEVICE 4
IC501	0IMCRG2004A	JAGASM SAGE 352BALL TRAY HIGHL
IC502	0ISS464323A	K4S643232E(C)-TC/L70(KM432S203
IC503	0ISS464323A	K4S643232E(C)-TC/L70(KM432S203
IC601	0IIT344000B	MSP3440G QA A4 QA 80QFP TP AUD
IC602	0IKE704200J	KIA7042AF SOT-89 TP 4.2V VOLTA
IC603	0ISA428200A	LA4282 12S 2CHX10W AUDIO AMP
IC605	0IKE780800A	KIA7808PI 3P(TO-220IS) 1A,8V -
IC701	0IMI623200B	M62320FP,I/O EXPANDER 16P SOP
IC702	0IMI623200B	M62320FP,I/O EXPANDER 16P SOP
IC703	0IMI623200B	M62320FP,I/O EXPANDER 16P SOP
IC704	0IAL241610A	AT24C16N-10SI 8P SOIC ST EEPRO
IC706	0IMCRNS001A	LM810 NATIONAL SEMICONDUCTOR 3
IC707	0IPH740400G	74HC04D HEX INVERTER 14P,SOP T
IC708	0IPH806520A	80C652 40 PLCC ST 8-BIT MICROC
IC709	0IZZVA0028D	AT27C020 32PIN DIP ST ROM MN-4
IC710	0IPH743730E	74HCT373D 20SOP R/TP ADDRESS L
IC802	0IMCRRH001A	BA033FP ROHM 3P-SOP,TO252-3 R/
IC803	0ILT176425A	LT1764EQ-2.5 5PIN Q PACKAGE R
IC804	0IMCRRH001A	BA033FP ROHM 3P-SOP,TO252-3 R/
IC806	0IMCRRH001A	BA033FP ROHM 3P-SOP,TO252-3 R/
IC807	0ILT176425A	LT1764EQ-2.5 5PIN Q PACKAGE R
IC902	0IPH745410A	74F541 20P SOT BK BUFFER MXIC
IC903	0IPH745410A	74F541 20P SOT BK BUFFER MXIC
IC904	0IPH745410A	74F541 20P SOT BK BUFFER MXIC
IC905	0IPH745410A	74F541 20P SOT BK BUFFER MXIC
IC1101	0IMCRAT003A	EPM7064STC44-100 ALTERA 44P,QF

TRANSISTOR

LOCA. NO	PART NO	DESCRIPTION
Q001	0TR319809AA	KTC3198 TP KEC - - -Y (KTC1815
Q002	0TR319809AA	KTC3198 TP KEC - - -Y (KTC1815
Q101	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q102	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q103	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q104	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q105	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q106	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q107	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q108	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q109	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q110	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q111	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q112	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q113	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q114	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q115	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q116	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q121	0TR104009AF	CHIP KRC104S SOT-23 TP KEC - -
Q250	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q251	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q252	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q301	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q302	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q303	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q304	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q404	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q405	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q406	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q601	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q602	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q603	0TR150400BA	CHIP 2SA1504S(ASY) KEC

DIODE

LOCA. NO	PART NO	DESCRIPTION
D101	0DD226239AA	CHIP KDS226 SOT-23
D102	0DD226239AA	CHIP KDS226 SOT-23
D103	0DD226239AA	CHIP KDS226 SOT-23
D104	0DD226239AA	CHIP KDS226 SOT-23
D105	0DD226239AA	CHIP KDS226 SOT-23
D250	0DD226239AA	CHIP KDS226 SOT-23
D252	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D401	0DL233309AC	LED,SAM2333 TP KWANG GREEN/RED
D402	0DL233309AC	LED,SAM2333 TP KWANG GREEN/RED
D601	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D602	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D603	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D610	0DD226239AA	CHIP KDS226 SOT-23
LD001	0DL200000CA	LED,SAM5670(DL-2LRG) BK Y-GREEN
LD801	0DL233309AC	LED,SAM2333 TP KWANG GREEN/RED
LD802	0DL233309AC	LED,SAM2333 TP KWANG GREEN/RED
LD803	0DL233309AC	LED,SAM2333 TP KWANG GREEN/RED
ZD103	0DZRM00178A	ZENERS,UDZS TE-17 5.1B ROHM R/TP
ZD104	0DZRM00178A	ZENERS,UDZS TE-17 5.1B ROHM R/TP
ZD105	0DZRM00178A	ZENERS,UDZS TE-17 5.1B ROHM R/TP

CAPACITOR

LOCA. NO	PART NO	DESCRIPTION
C001	0CN1040K949	0.1M 50V Z
C002	0CE476DD618	47UF STD 10V 20%
C125	0CE106SF6DC	10UF MVG 16V 20%
C128	0CE476SF6DC	47UF MVG 16V M
C129	0CE476SF6DC	47UF MVG 16V M
C130	0CE476SF6DC	47UF MVG 16V M
C136	0CE476SF6DC	47UF MVG 16V M
C166	0CE476SF6DC	47UF MVG 16V M
C171	0CE107SF6DC	100UF MVG 16V M
C173	0CE107SF6DC	100UF MVG 16V M
C202	0CE106SF6DC	10UF MVG 16V 20%
C203	0CE107SF6DC	100UF MVG 16V M
C205	0CK224DF56A	220000PF 2012 16V 10%
C212	0CK224DF56A	220000PF 2012 16V 10%
C214	0CE106SF6DC	10UF MVG 16V 20%
C216	0CK224DF56A	220000PF 2012 16V 10%
C217	0CK224DF56A	220000PF 2012 16V 10%
C218	0CK224DF56A	220000PF 2012 16V 10%
C219	0CK224DF56A	220000PF 2012 16V 10%
C220	0CK224DF56A	220000PF 2012 16V 10%
C221	0CK224DF56A	220000PF 2012 16V 10%
C224	0CE476SF6DC	47UF MVG 16V M
C227	0CE476SF6DC	47UF MVG 16V M
C230	0CK224DF56A	220000PF 2012 16V 10%
C233	0CE476SF6DC	47UF MVG 16V M
C246	0CE106SF6DC	10UF MVG 16V 20%
C255	0CE476SF6DC	47UF MVG 16V M
C267	0CE105SK6DC	1UF MVG 50V M
C274	0CE107SF6DC	100UF MVG 16V M
C275	0CE107SF6DC	100UF MVG 16V M
C278	0CE476SF6DC	47UF MVG 16V M
C288	0CE106SF6DC	10UF MVG 16V 20%
C290	0CE106SF6DC	10UF MVG 16V 20%
C293	0CE476SF6DC	47UF MVG 16V M
C300	0CE107SF6DC	100UF MVG 16V M
C310	0CE476SF6DC	47UF MVG 16V M
C373	0CE1051K636	1UF SM.SA 50V 20%
C402	0CE476SF6DC	47UF MVG 16V M
C405	0CE476SF6DC	47UF MVG 16V M
C408	0CE476SF6DC	47UF MVG 16V M
C411	0CE476SF6DC	47UF MVG 16V M
C414	0CE476SF6DC	47UF MVG 16V M
C439	0CE476SF6DC	47UF MVG 16V M
C441	0CE476SF6DC	47UF MVG 16V M
C442	0CE476SF6DC	47UF MVG 16V M
C471	0CE106SF6DC	10UF MVG 16V 20%
C476	0CE106SF6DC	10UF MVG 16V 20%
C479	0CE476SF6DC	47UF MVG 16V M
C487	0CE106SF6DC	10UF MVG 16V 20%
C503	0CE106SF6DC	10UF MVG 16V 20%
C506	0CE106SF6DC	10UF MVG 16V 20%
C509	0CE106SF6DC	10UF MVG 16V 20%
C512	0CE106SF6DC	10UF MVG 16V 20%
C515	0CE106SF6DC	10UF MVG 16V 20%
C518	0CE106SF6DC	10UF MVG 16V 20%
C521	0CE106SF6DC	10UF MVG 16V 20%
C524	0CE106SF6DC	10UF MVG 16V 20%
C554	0CE106SF6DC	10UF MVG 16V 20%
C601	0CE476SF6DC	47UF MVG 16V M
C602	0CE476SF6DC	47UF MVG 16V M
C604	0CE106SF6DC	10UF MVG 16V 20%
C609	0CE107SF6DC	100UF MVG 16V M
C610	0CE106SF6DC	10UF MVG 16V 20%
C611	0CE106SF6DC	10UF MVG 16V 20%
C612	0CE335SK6DC	3.3UF MVG 50V 20%
C614	0CE106SF6DC	10UF MVG 16V 20%
C616	0CE106SF6DC	10UF MVG 16V 20%
C626	0CE107SF6DC	100UF MVG 16V M
C630	0CE477DK618	470UF STD 50V 20%
C631	0CE477DK618	470UF STD 50V 20%
C640	0CE474SK6DC	0.47UF MVG 50V M
C641	0CE474SK6DC	0.47UF MVG 50V M
C643	0CE474SK6DC	0.47UF MVG 50V M
C644	0CE474SK6DC	0.47UF MVG 50V M
C647	0CE107SF6DC	100UF MVG 16V M
C651	0CE227VF6DC	220UF MV 16V 20%
C652	0CE105SK6DC	1UF MVG 50V M
C653	0CE107DH618	100UF STD 25V M
C654	0CE106SF6DC	10UF MVG 16V 20%
C655	0CE107DH618	100UF STD 25V M
C656	0CE107DH618	100UF STD 25V M
C658	0CQ6821N509	0.0068U 100V K
C659	0CE106SF6DC	10UF MVG 16V 20%
C660	0CQ6821N509	0.0068U 100V K
C661	0CQ1041N509	0.1U 100V K
C662	0CQ1041N509	0.1U 100V K
C671	0CE477DK618	470UF STD 50V 20%
C672	0CE477DK618	470UF STD 50V 20%
C673	0CE477DK618	470UF STD 50V 20%
C674	0CE477DK618	470UF STD 50V 20%
C675	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C676	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C699	0CE227VF6DC	220UF MV 16V 20%
C709	0CE476SF6DC	47UF MVG 16V M
C711	0CE106SF6DC	10UF MVG 16V 20%
C715	0CE106SF6DC	10UF MVG 16V 20%
C717	0CE106SF6DC	10UF MVG 16V 20%
C718	0CE106SF6DC	10UF MVG 16V 20%
C720	0CE105SK6DC	1UF MVG 50V M
C802	0CE227VF6DC	220UF MV 16V 20%
C806	0CE227VF6DC	220UF MV 16V 20%
C810	0CE227VF6DC	220UF MV 16V 20%
C814	0CE476SF6DC	47UF MVG 16V M
C815	0CE476SF6DC	47UF MVG 16V M
C818	0CE227VF6DC	220UF MV 16V 20%
C821	0CE107SF6DC	100UF MVG 16V M
C824	0CE227VF6DC	220UF MV 16V 20%
C825	0CE106SF6DC	10UF MVG 16V 20%
C826	0CE476SF6DC	47UF MVG 16V M
C828	0CE106SF6DC	10UF MVG 16V 20%
C829	0CE106SF6DC	10UF MVG 16V 20%
C832	0CE476SF6DC	47UF MVG 16V M
C834	0CE106SF6DC	10UF MVG 16V 20%
C843	0CE227VF6DC	220UF MV 16V 20%

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C844	0CE227VF6DC	220UF MV 16V 20%
C847	0CE227VF6DC	220UF MV 16V 20%
C849	0CE476SF6DC	47UF MVG 16V M
C850	0CE476SF6DC	47UF MVG 16V M
C855	0CE476SF6DC	47UF MVG 16V M
C856	0CE476SF6DC	47UF MVG 16V M
C861	0CE106SF6DC	10UF MVG 16V 20%
C863	0CE477BF618	470UF KME 16V M
C864	0CE477BF618	470UF KME 16V M
C869	0CE108DF618	1000UF STD 16V M
C871	0CE107SF6DC	100UF MVG 16V M
C874	0CE227VF6DC	220UF MV 16V 20%
C876	0CE106SF6DC	10UF MVG 16V 20%
C877	0CE106SF6DC	10UF MVG 16V 20%
C1103	0CE106SF6DC	10UF MVG 16V 20%
C1106	0CE107SF6DC	100UF MVG 16V M
C1113	0CE476SF6DC	47UF MVG 16V M
C1720	0CE106SF6DC	10UF MVG 16V 20%

JACK

LOCA. NO	PART NO	DESCRIPTION
JP1	6612VLH002A	JACK,RCA SP026B 4P RD/BK/BK/R
P201B	6612VJH018A	JACK,RCA PJ6058C-A A/V 2P MON

COIL

LOCA. NO	PART NO	DESCRIPTION
L001	0LA0102K119	INDUCTOR,10UH K
L801	6140VB0004B	COIL,CHOKE 26UH 1UEWPHY 22.5TURN
L804	6140VB0004B	COIL,CHOKE 26UH 1UEWPHY 22.5TURN
L808	6140VB0004B	COIL,CHOKE 26UH 1UEWPHY 22.5TURN
L813	6140VB0004B	COIL,CHOKE 26UH 1UEWPHY 22.5TURN

RESISTOR

LOCA. NO	PART NO	DESCRIPTION
AR201	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR202	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR203	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR204	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR401	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR402	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR403	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR404	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR405	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR406	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR407	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR408	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR409	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR410	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR411	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR412	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR413	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR414	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR415	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR416	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR417	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100

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LOCA. NO	PART NO	DESCRIPTION
AR418	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR419	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR420	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR421	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR422	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR423	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR424	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR425	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR426	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR427	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR428	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR503	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR504	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR507	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR508	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR511	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR512	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR513	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR514	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR515	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR516	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR517	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR518	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR519	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR520	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR521	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR522	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR523	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR524	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR525	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR526	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR527	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR528	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR529	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR530	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR531	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR532	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR533	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR534	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR535	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR701	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR702	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR703	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR704	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR705	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
AR706	0RRZVTA001A	MNR-14-E0A-J-101 R OHM 100
R006	0RD3300F609	330 OHM 1/6 W 5.00%
R007	0RD3300F609	330 OHM 1/6 W 5.00%
R623	0RS0221H609	2.2 OHM 1/2 W 5.00%
R624	0RS0221H609	2.2 OHM 1/2 W 5.00%
R627	0RS2701K607	2.7K OHM 2 W 5.00%
R628	0RS2701K607	2.7K OHM 2 W 5.00%

LOCA. NO	PART NO	DESCRIPTION
R655	0RD4700H609	470 OHM 1/2 W 5.00%
R656	0RD4700H609	470 OHM 1/2 W 5.00%

SWITCH

LOCA. NO	PART NO	DESCRIPTION
SW001	140-315A	SWITCH,TACT SKHV17910B NON 12V
SW002	140-315A	SWITCH,TACT SKHV17910B NON 12V
SW003	140-315A	SWITCH,TACT SKHV17910B NON 12V
SW004	140-315A	SWITCH,TACT SKHV17910B NON 12V
SW800	6600VM2006A	SWITCH,PUSH SDDF3PATP011

FILTER & CRYSTAL

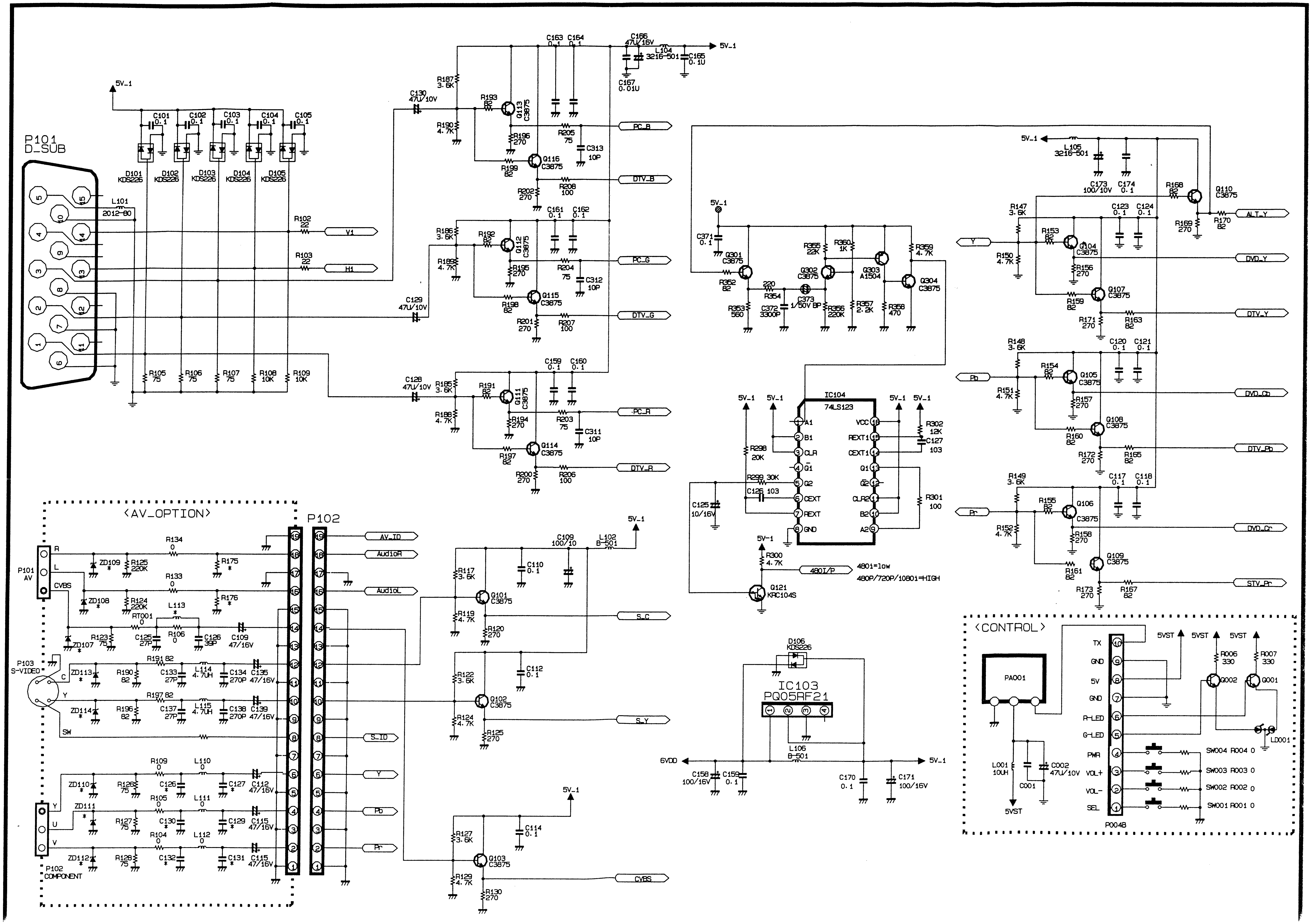
LOCA. NO	PART NO	DESCRIPTION
F601	6200VJS001A	FILTER,EMI ZJY51R5-4P DC 50VOLT 2A
F602	6200VJS001A	FILTER,EMI ZJY51R5-4P DC 50VOLT 2A
L102	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L104	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L105	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L106	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L201	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L202	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L212	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L250	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L251	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L252	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L253	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L401	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L402	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L403	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L404	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L405	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L407	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L408	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L409	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L411	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L412	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L501	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L502	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L503	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L504	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L505	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L506	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L507	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L508	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L509	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L601	150-F09A	FILTER,EMC SQE2222 7-14MH 0.37PHY
L602	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L603	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L604	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L605	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L620	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L701	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L802	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L803	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L805	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L806	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L809	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L810	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L811	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L812	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1101	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1102	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1720	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
X201	6202VDB007B	RESONATOR,CRYSTAL HC49U 20.250MHZ 3
X601	156-AC2M	RESONATOR,CRYSTAL HC49U 18.432MHZ 30P
X701	6202VDT002B	RESONATOR,CRYSTAL SX-1SMD 14.318MHZ

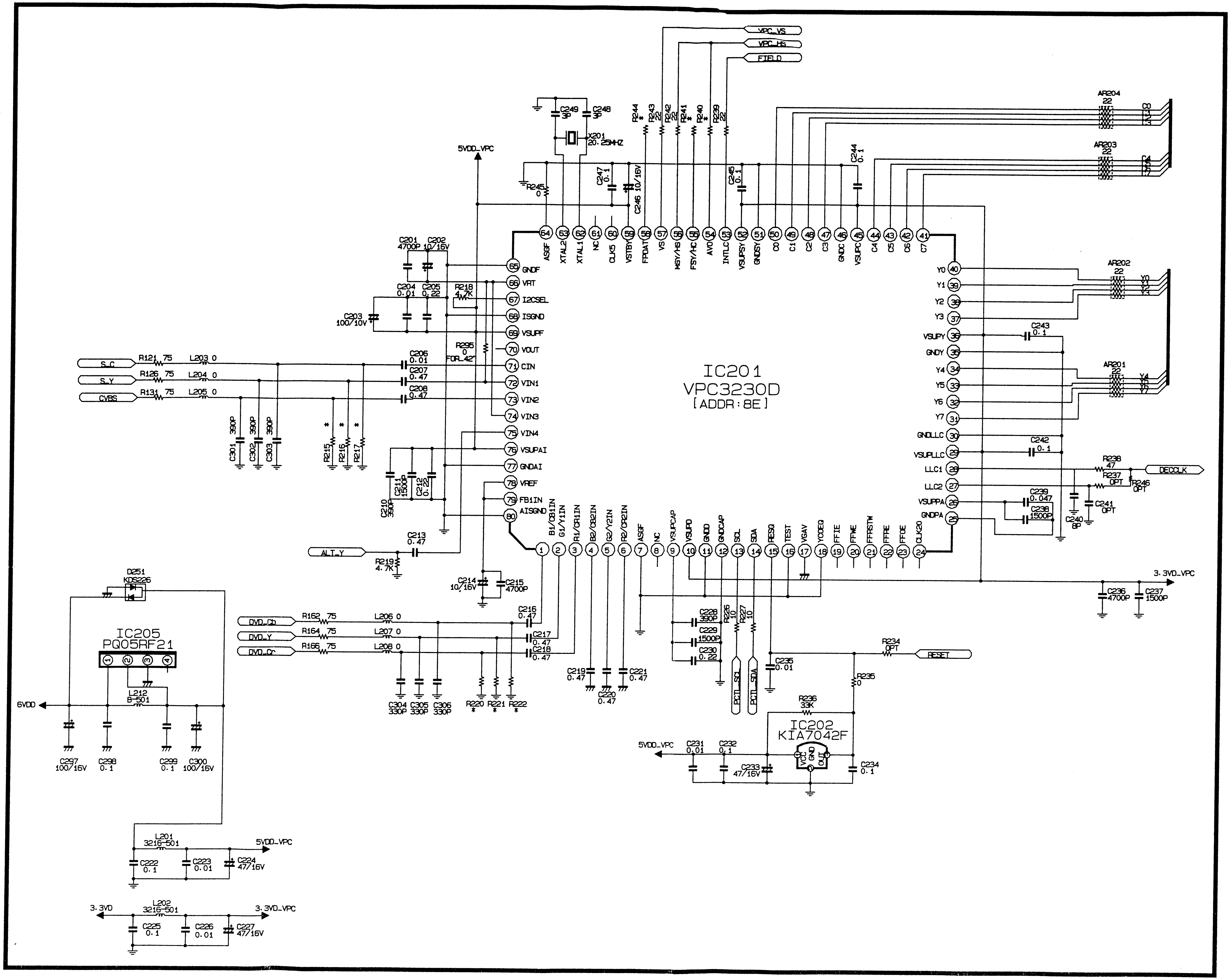
MISCELLANEOUS

LOCA. NO	PART NO	DESCRIPTION
P007B	387-AC4H	CONNECTOR ASSY,4P (L=450)
P101	6630VGA001C	CONNECTOR,D-SUB 15PIN 2.29MM
P102	6630GL00181	CONNECTOR,D-SUB 36P 2.
P1001	6630VGA004B	CONNECTOR,D-SUB 9P 2.77MM
PA001	6726VH0001A	REMOTE CONTROLLER RECEIVER,TSOP1238RF1 38KHZ
X1101	6204V00001K	OSCILLATOR,SCO-0650-27.0M

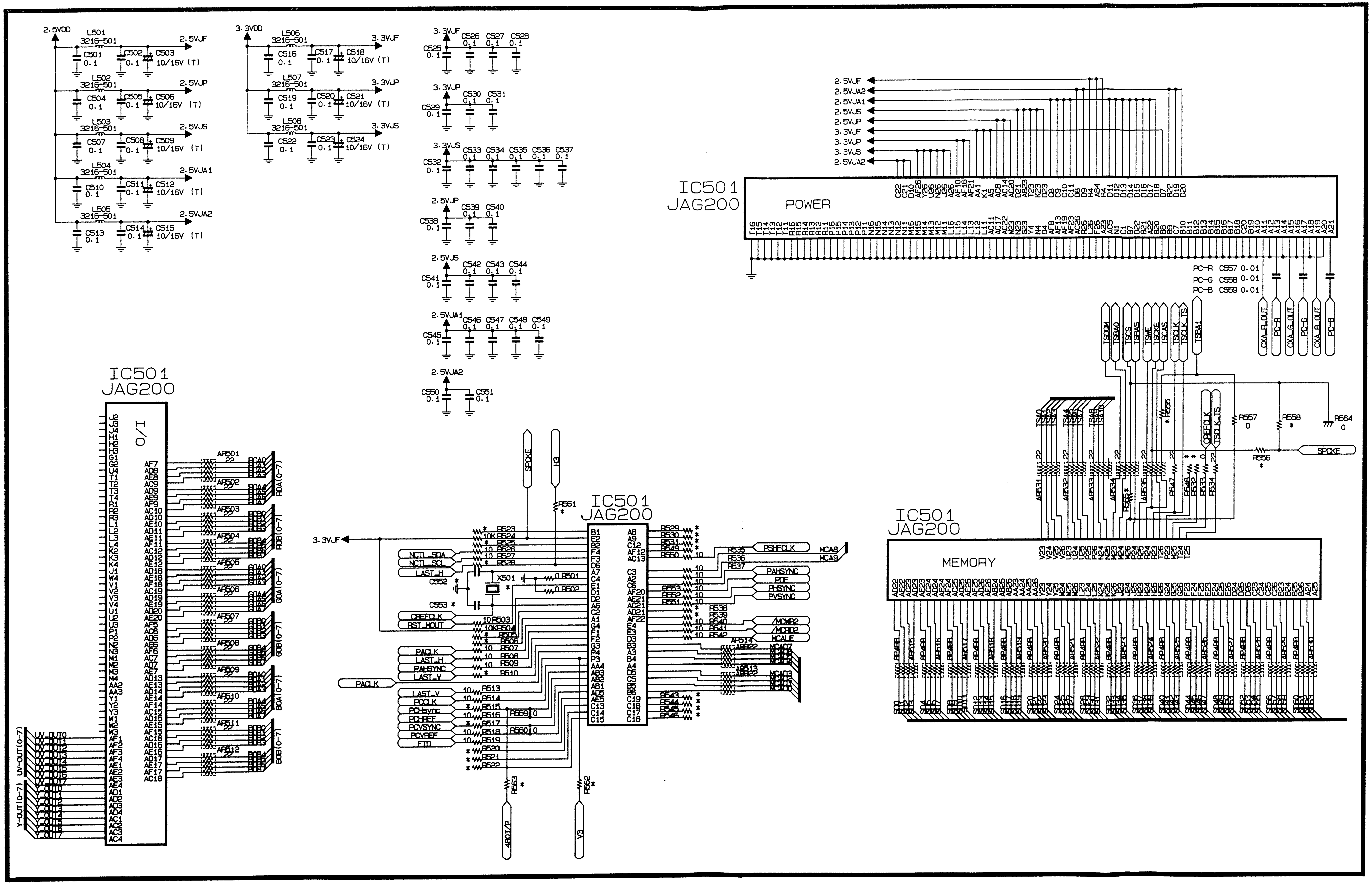
ACCESSORIES

LOCA. NO	PART NO	DESCRIPTION
A1	3828VA0305A	MANUAL,OWNERS NF01DC MT/Z42/AV/RS232C
A2	6710V00067M	REMOTE CONTROLLER
A3	6410VEH003B	POWER CORD,M2511A V VDE/SEMKO


5V_1
P101
D_SUB
L101
2012-80
C101 0.1
C102 0.1
C103 0.1
C104 0.1
C105 0.1
D101 KDS226
D102 KDS226
D103 KDS226
D104 KDS226
D105 KDS226
R102 22
V1
R103 22
H1
R105 75
R106 75
R107 75
R108 10K
R109 10K
C163 0.1
C164 0.1
C166 47U/16V
L104 3216-501
C165 0.1U
C167 0.01U
R187 3.6K
C130 47U/10V
R193 82
Q113 C3875
R190 4.7K
R196 270
R205 75
C313 10P
PC_B
Q116 C3875
R199 82
R202 270
R208 100
DTV_B
C161 0.1
C162 0.1
R186 3.6K
R192 82
Q112 C3875
R189 4.7K
R195 270
R204 75
C312 10P
PC_G
C129 47U/10V
Q115 C3875
R198 82
R201 270
R207 100
DTV_G
C159 0.1
C160 0.1
C128 47U/10V
R185 3.6K
R191 82
Q111 C3875
R188 4.7K
R194 270
R203 75
C311 10P
PC_R
R197 82
Q114 C3875
R200 270
R206 100
DTV_R
C371 0.1
Q301 C3875
R352 82
R353 560
220
R354
C372 3300P
C373 1/50V BP
R355 22K
R360 1K
Q302 C3875
Q303 A1504
R356 220K
R357 2.2K
R358 470
R359 4.7K
Q304 C3875
L105 3216-501
C173 100/10V
C174 0.1
R168 82
Q110 C3875
R169 270
R170 82
ALT_Y
R147 3.6K
C123 0.1
C124 0.1
R153 82
Q104 C3875
Y
R150 4.7K
R156 270
DVD_Y
Q107 C3875
R159 82
R171 270
R163 82
DTV_Y
R148 3.6K
C120 0.1
C121 0.1
R154 82
Q105 C3875
Pb
R151 4.7K
R157 270
DVD_Cb
Q108 C3875
R160 82
R172 270
R165 82
DTV_Pb
R149 3.6K
C117 0.1
C118 0.1
R155 82
Q106 C3875
Pr
R152 4.7K
R158 270
DVD_Cr
Q109 C3875
R161 82
R173 270
R167 82
STV_Pr
IC104
74LS123
A1
B1
CLR
Q1
Q2
CEXT
REXT
GND
VCC
REXT1
CEXT1
Q1
Q2
CLR2
B2
A2
R302 12K
C127 103
R298 20K
R299 30K
C126 103
C125 10/16V
R301 100
5V-1
R300 4.7K
480I/P
480I=low
480P/720P/1080I=HIGH
Q121 KRC104S
D106 KDS226
IC103
PQ05RF21
L106 B-501
6VDD
C158 100/16V
C159 0.1
C170 0.1
C171 100/16V
<AV_OPTION>
P101 AV
R
L
CVBS
ZD109
R125 220K
R134 0
R175
ZD108
R124 220K
R133 0
R176
L113
RT001 0
R123 75
C125 27P
R106 0
C126 39P
C109 47/16V
ZD107
P103 S-VIDEO
C
Y
SW
ZD113
R191 82
R190 82
C133 27P
L114 4.7UH
C134 270P
C135 47/16V
ZD114
R197 82
R196 82
C137 27P
L115 4.7UH
C138 270P
C139 47/16V
R109 0
L110 0
ZD110
R126 75
C126
C127
C112 47/16V
Y
U
V
ZD111
R105 0
L111 0
R127 75
C130
C129
C115 47/16V
R104 0
L112 0
ZD112
R128 75
C132
C131
C115 47/16V
P102 COMPONENT
P102
AV_ID
AudioR
AudioL
S_ID
Y
Pb
Pr
C109 100/10
L102 B-501
R117 3.6K
C110 0.1
Q101 C3875
R119 4.7K
R120 270
S_C
R122 3.6K
C112 0.1
Q102 C3875
R124 4.7K
R125 270
S_Y
R127 3.6K
C114 0.1
Q103 C3875
R129 4.7K
R130 270
CVBS
<CONTROL>
PA001
L001 10UH
C001
C002 47U/10V
5VST
TX
GND
5V
GND
R-LED
G-LED
PWR
VOL+
VOL-
SEL
P004B
R006 330
R007 330
Q002
Q001
LD001
SW004 R004 0
SW003 R003 0
SW002 R002 0
SW001 R001 0

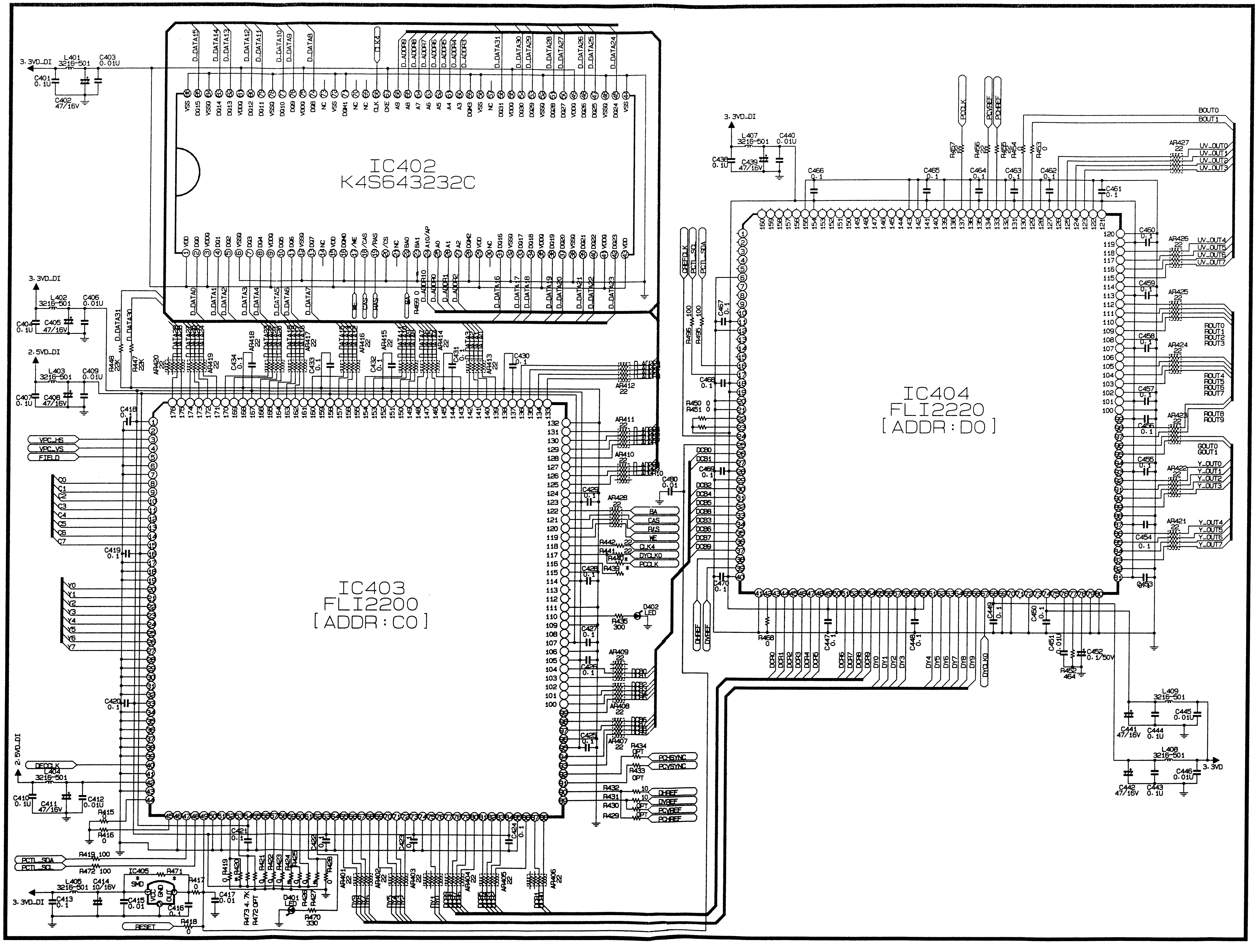


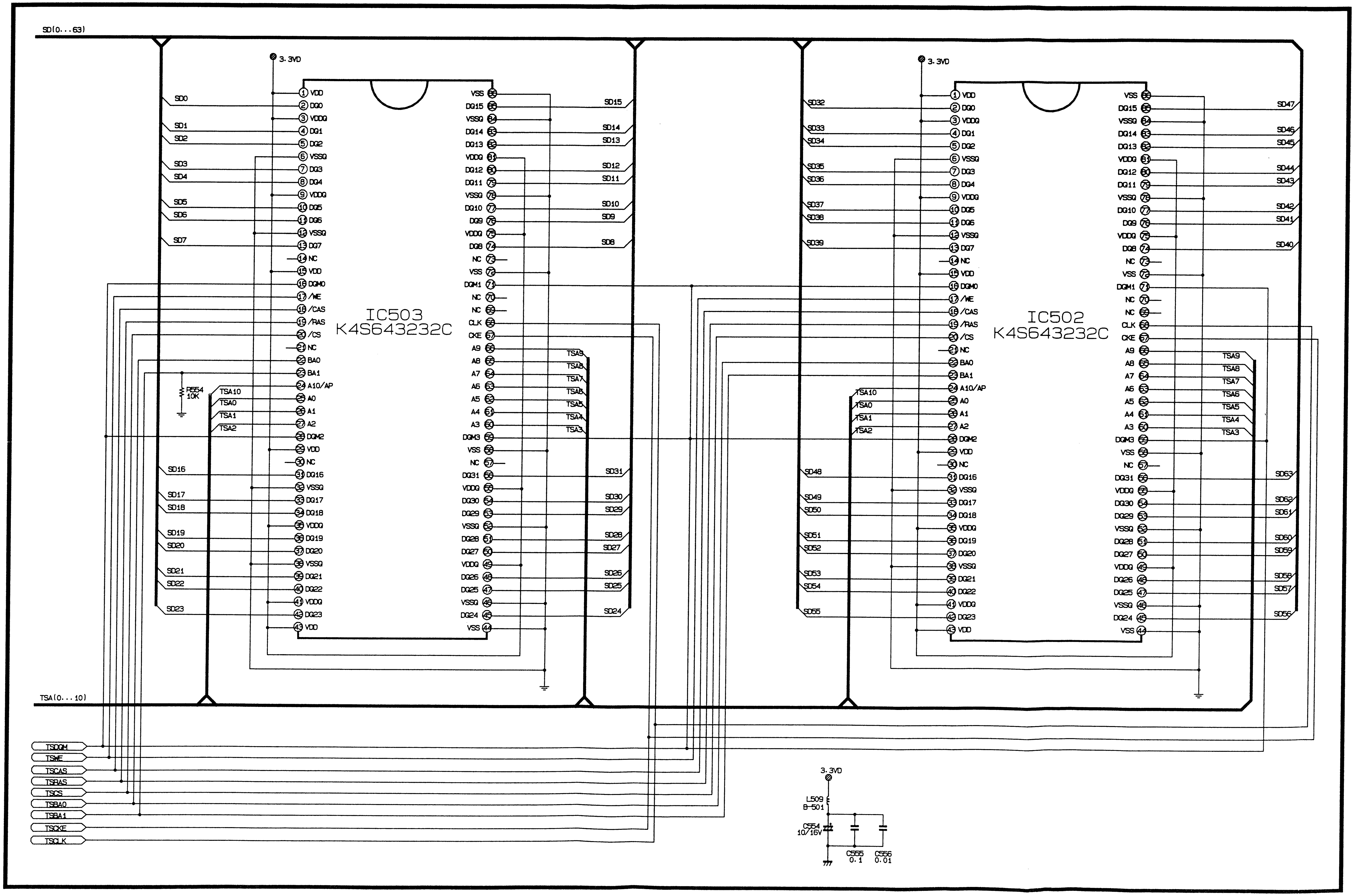
IC201
VPC3230D
[ADDR:8E]
IC202
KIA7042F
IC205
PQ05RF21
VPC_VS
VPC_HS
FIELD
AR204 22
AR203 22
AR202 22
AR201 22
C0
C1
C2
C3
C4
C5
C6
C7
Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y7
C249 3P
C248 3P
X201 20.25MHZ
5VDD_VPC
R245 0
C247 0.1
C246 10/16V
C245 0.1
C244 0.1
R244 *
R243 22
R242 22
R241 *
R240 *
R239 22
ASGF
XTAL2
XTAL1
NC
CLK5
VSTBY
FPDAT
VS
MSY/HS
FSY/HC
AVO
INTLC
VSUPSY
GNDSY
GNDC
VSUPC
C201 4700P
C202 10/16V
C204 0.01
C205 0.22
R218 4.7K
C203 100/10V
R295 0 FOR_42"
GNDF
VRT
I2CSEL
ISGND
VSUPF
VOUT
CIN
VIN1
VIN2
VIN3
VIN4
VSUPAI
GNDAI
VREF
FB1IN
AISGND
S_C
S_Y
CVBS
R121 75
R126 75
R131 75
L203 0
L204 0
L205 0
C206 0.01
C207 0.47
C208 0.47
C301 390P
C302 390P
C303 390P
R215 *
R216 *
R217 *
C210 390P
C211 1500P
C212 0.22
C213 0.47
ALT_Y
R219 4.7K
C214 10/16V
C215 4700P
B1/CB1IN
G1/Y1IN
R1/CR1IN
B2/CB2IN
G2/Y2IN
R2/CR2IN
ASGF
NC
VSUPCAP
VSUPD
GNDD
GNDCAP
SCL
SDA
RESQ
TEST
VGAV
YCOEQ
FFIE
FFWE
FFRSTW
FFRE
FFOE
CLK20
VSUPY
GNDY
GNDLLC
VSUPLLC
LLC1
LLC2
VSUPPA
GNDPA
C243 0.1
C242 0.1
R238 47
R237 OPT
R246 OPT
DECCLK
C239 0.047
C238 1500P
C240 8P
C241 OPT
3.3VD_VPC
C236 4700P
C237 1500P
DVD_Cb
DVD_Y
DVD_Cr
R162 75
R164 75
R166 75
L206 0
L207 0
L208 0
C216 0.47
C217 0.47
C218 0.47
C304 330P
C305 330P
C306 330P
R220 *
R221 *
R222 *
C219 0.47
C220 0.47
C221 0.47
C228 390P
C229 1500P
C230 0.22
R226 10
R227 10
PCTL_SCL
PCTL_SDA
C235 0.01
R234 OPT
RESET
R235 0
R236 33K
VCC
GND
OUT
5VDD_VPC
C231 0.01
C232 0.1
C233 47/16V
C234 0.1
D251 KDS226
6VDD
L212 B-501
C297 100/16V
C298 0.1
C299 0.1
C300 100/16V
L201 3216-501
5VDD_VPC
C222 0.1
C223 0.01
C224 47/16V
3.3VD
L202 3216-501
3.3VD_VPC
C225 0.1
C226 0.01
C227 47/16V

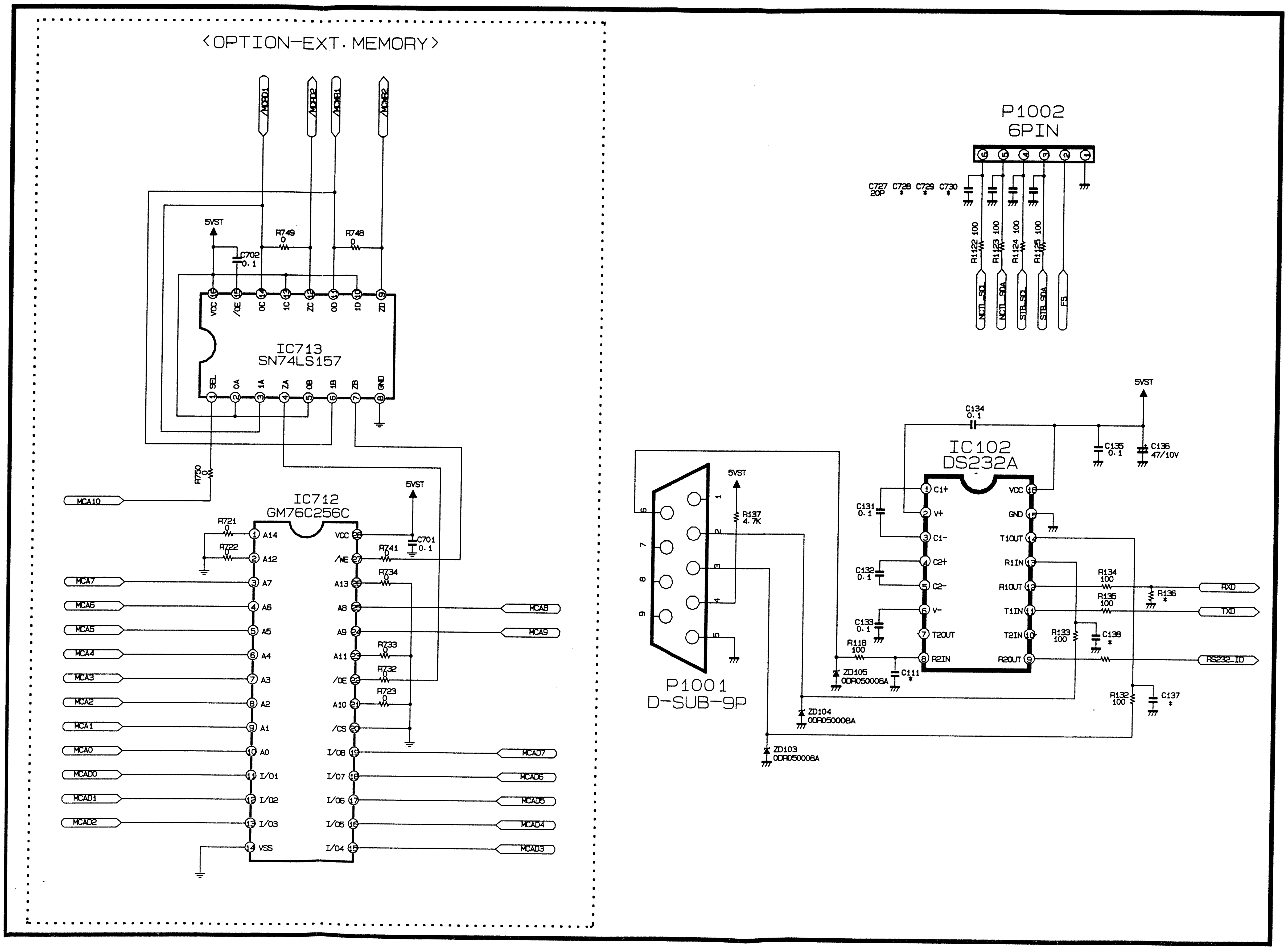

IC501
JAG200
POWER
IC501
JAG200
I/O
IC501
JAG200
IC501
JAG200
MEMORY
2.5VDD
3.3VDD
L501
L502
L503
L504
L505
L506
L507
L508
3216-501
2.5VJF
2.5VJP
2.5VJS
2.5VJA1
2.5VJA2
3.3VJF
3.3VJP
3.3VJS
10/16V (T)
X501
SPCKE
H3
V3
480I/P
PACLK
PC-R
PC-G
PC-B
CXA_R_OUT
CXA_G_OUT
CXA_B_OUT
RDA(0-7)
RDB(0-7)
GDA(0-7)
GDB(0-7)
BDA(0-7)
BDB(0-7)
Y-OUT(0-7)
UV-OUT(0-7)
NCTL_SDA
NCTL_SCL
LAST_H
LAST_V
CREFCLK
RST_MOUT
PAHSYNC
PCLK
PCHsync
PCHREF
PCVSYNC
PCVREF
FID
PSHFCLK
PDE
PHSYNC
PVSYNC
/MCWR2
/MCRD2
MCALE
MCA8
MCA9
TSDQM
TSBA0
TSCS
TSRAS
TSWE
TSCKE
TSCAS
TSCLK_TS
TSBA1

P/N: 3854VA0100A-S1(1/2)

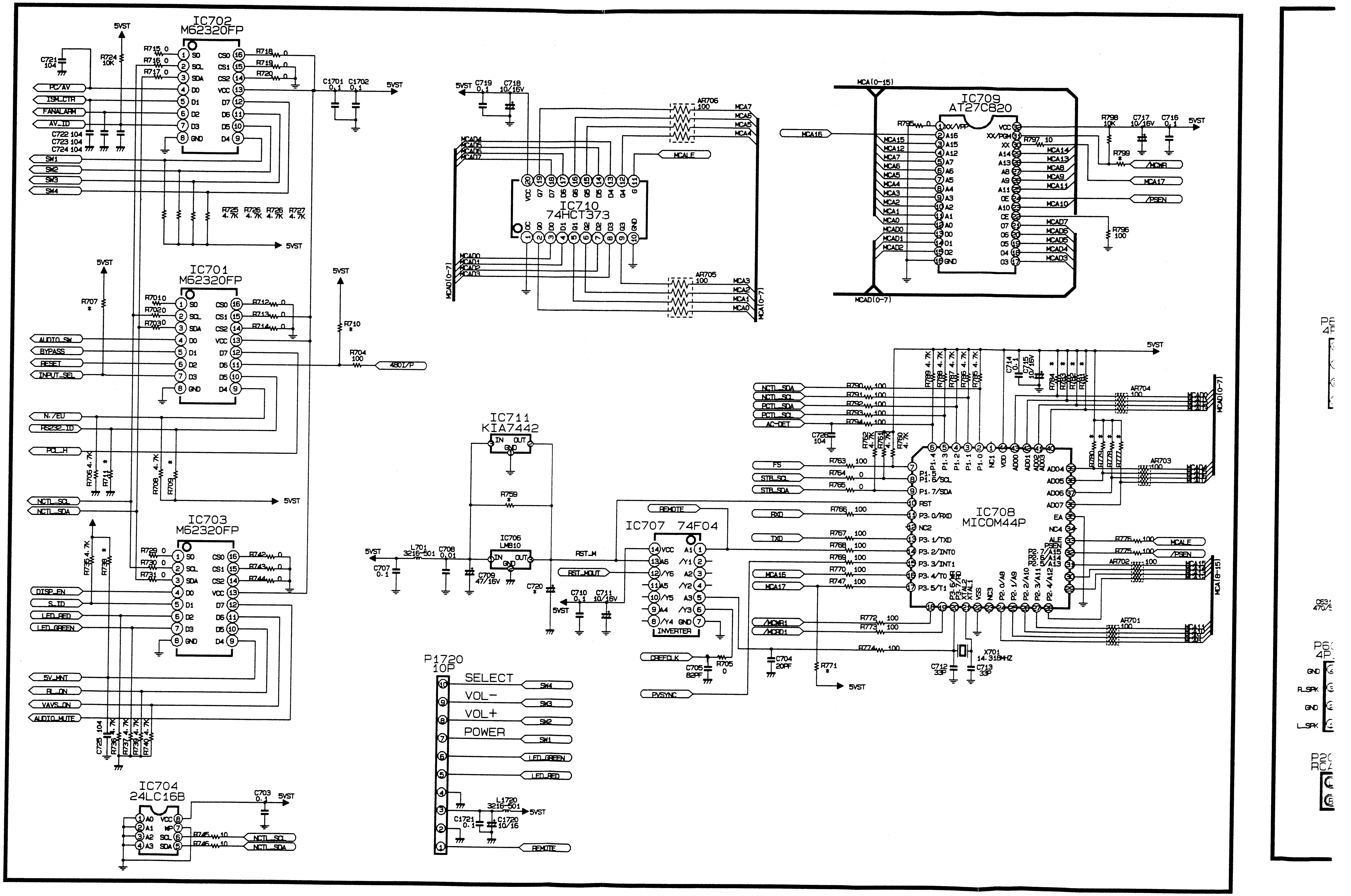
2001.12.10

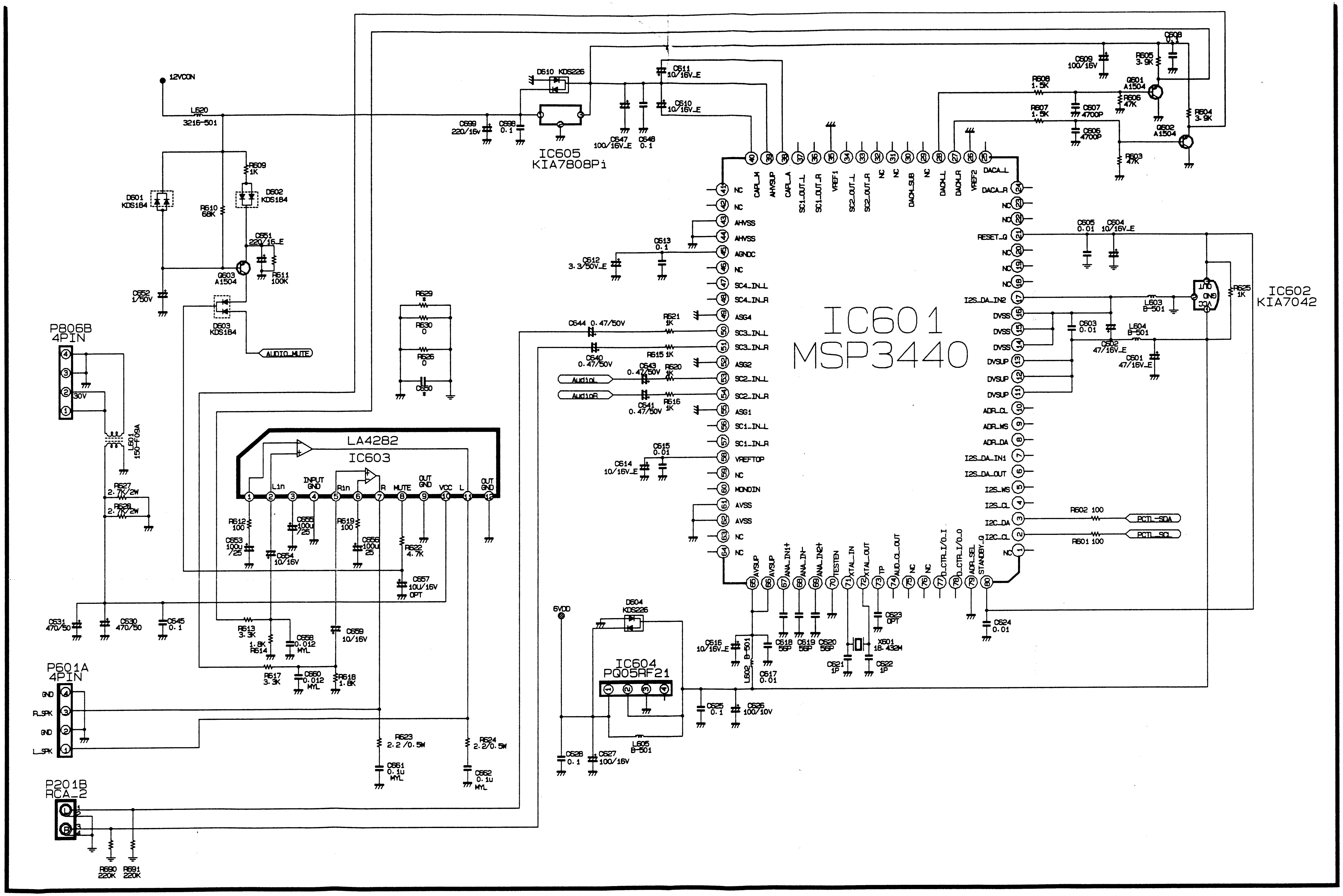

IC402
K4S643232C
IC403
FLI2200
[ADDR:C0]
IC404
FLI2220
[ADDR:D0]
IC405
SMD
3.3VD_DI
2.5VD_DI
3.3VD
L401 3216-501
L402 3216-501
L403 3216-501
L404 3216-501
L405 3216-501
L407 3216-501
L408 3216-501
L409 3216-501
C401 0.1U
C402 47/16V
C403 0.01U
C404 0.1U
C405 47/16V
C406 0.01U
C407 0.1U
C408 47/16V
C409 0.01U
C410 0.1U
C411 47/16V
C412 0.01U
C413 0.1
C414 10/16V
C415 0.01
C416 0.1
C417 0.01
C438 0.1U
C439 47/16V
C440 0.01U
C441 47/16V
C442 47/16V
C443 0.1U
C444 0.1U
C445 0.01U
C446 0.01U
C451 0.01U
C452 0.1/50V
C480 0.01
VPC_HS
VPC_VS
FIELD
C0
C1
C2
C3
C4
C5
C6
C7
Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y7
DFCCLK
PCTL_SDA
PCTL_SCL
RESET
D401
D402 LED
R435 300
R470 330
R473 4.7K
R472 OPT
R452 464
RA
CAS
RAS
WE
CLK4
DYCLK0
PCCLK
PCHSYNC
PCVSYNC
DHREF
DVREF
PCVREF
PCHREF
CREFCLK
BOUT0
BOUT1
UV_OUT0
UV_OUT1
UV_OUT2
UV_OUT3
UV_OUT4
UV_OUT5
UV_OUT6
UV_OUT7
ROUT0
ROUT1
ROUT2
ROUT3
ROUT4
ROUT5
ROUT6
ROUT7
ROUT8
ROUT9
GOUT0
GOUT1
Y_OUT0
Y_OUT1
Y_OUT2
Y_OUT3
Y_OUT4
Y_OUT5
Y_OUT6
Y_OUT7
DCR0
DCR1
DCR2
DCR3
DCR4
DCR5
DCR6
DCR7
DCR8
DCR9
DY0
DY1
DY2
DY3
DY4
DY5
DY6
DY7
DY8
DY9
D_DATA0 … D_DATA31
D_ADDR0 … D_ADDR10


SD(0...63)
3.3VD
IC503
K4S643232C
IC502
K4S643232C
VDD
DQ0
VDDQ
DQ1
DQ2
VSSQ
DQ3
DQ4
DQ5
DQ6
DQ7
NC
DQM0
/WE
/CAS
/RAS
/CS
BA0
BA1
A10/AP
A0
A1
A2
DQM2
DQ16
DQ17
DQ18
DQ19
DQ20
DQ21
DQ22
DQ23
VSS
DQ15
DQ14
DQ13
DQ12
DQ11
DQ10
DQ9
DQ8
DQM1
CLK
CKE
A9
A8
A7
A6
A5
A4
A3
DQM3
DQ31
DQ30
DQ29
DQ28
DQ27
DQ26
DQ25
DQ24
SD0
SD1
SD2
SD3
SD4
SD5
SD6
SD7
SD8
SD9
SD10
SD11
SD12
SD13
SD14
SD15
SD16
SD17
SD18
SD19
SD20
SD21
SD22
SD23
SD24
SD25
SD26
SD27
SD28
SD29
SD30
SD31
SD32
SD33
SD34
SD35
SD36
SD37
SD38
SD39
SD40
SD41
SD42
SD43
SD44
SD45
SD46
SD47
SD48
SD49
SD50
SD51
SD52
SD53
SD54
SD55
SD56
SD57
SD58
SD59
SD60
SD61
SD62
SD63
TSA0
TSA1
TSA2
TSA3
TSA4
TSA5
TSA6
TSA7
TSA8
TSA9
TSA10
R554
10K
TSA(0...10)
TSDQM
TSWE
TSCAS
TSRAS
TSCS
TSBA0
TSBA1
TSCKE
TSCLK
3.3VD
L509
B-501
C554
10/16V
C555
0.1
C556
0.01

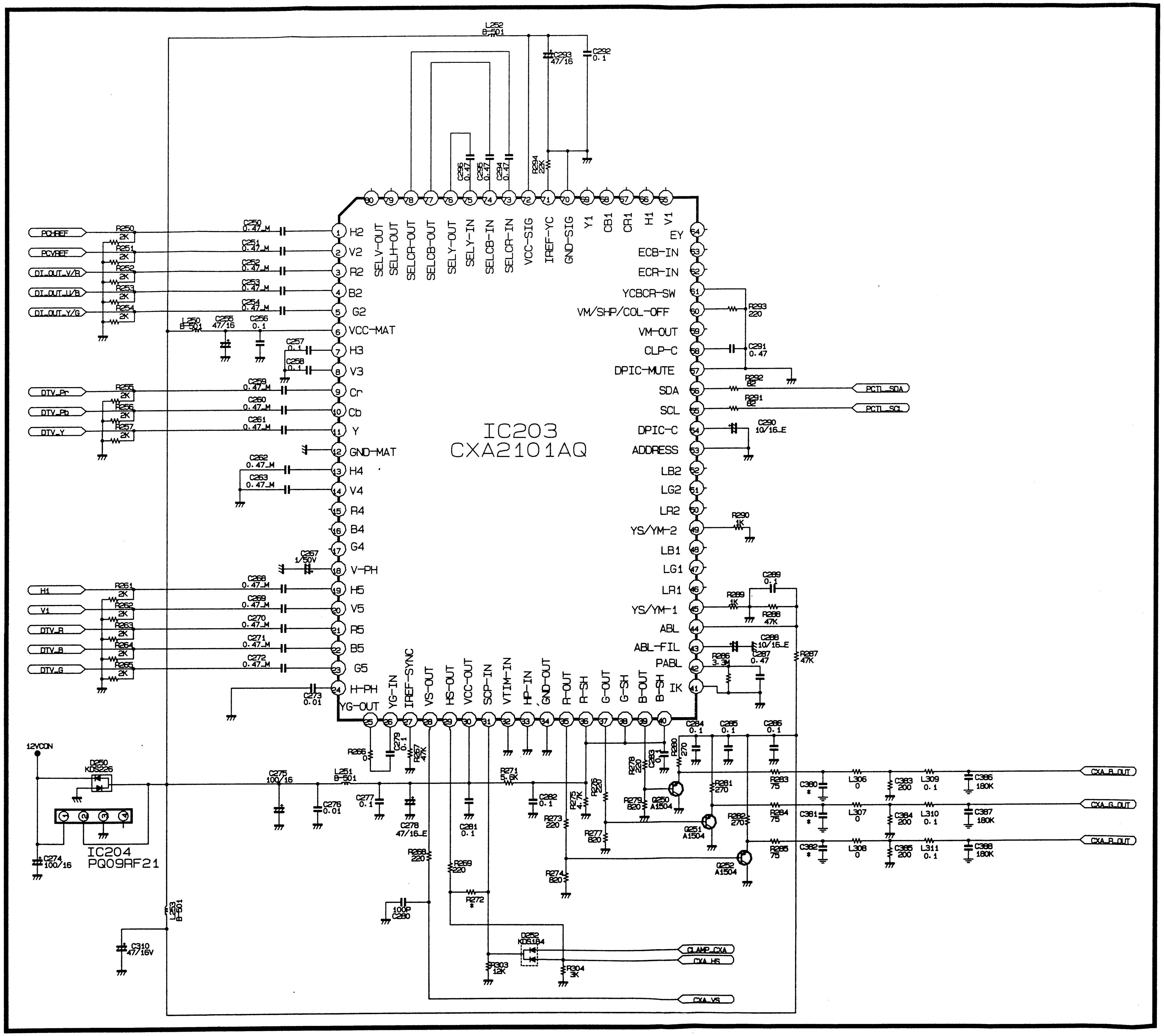


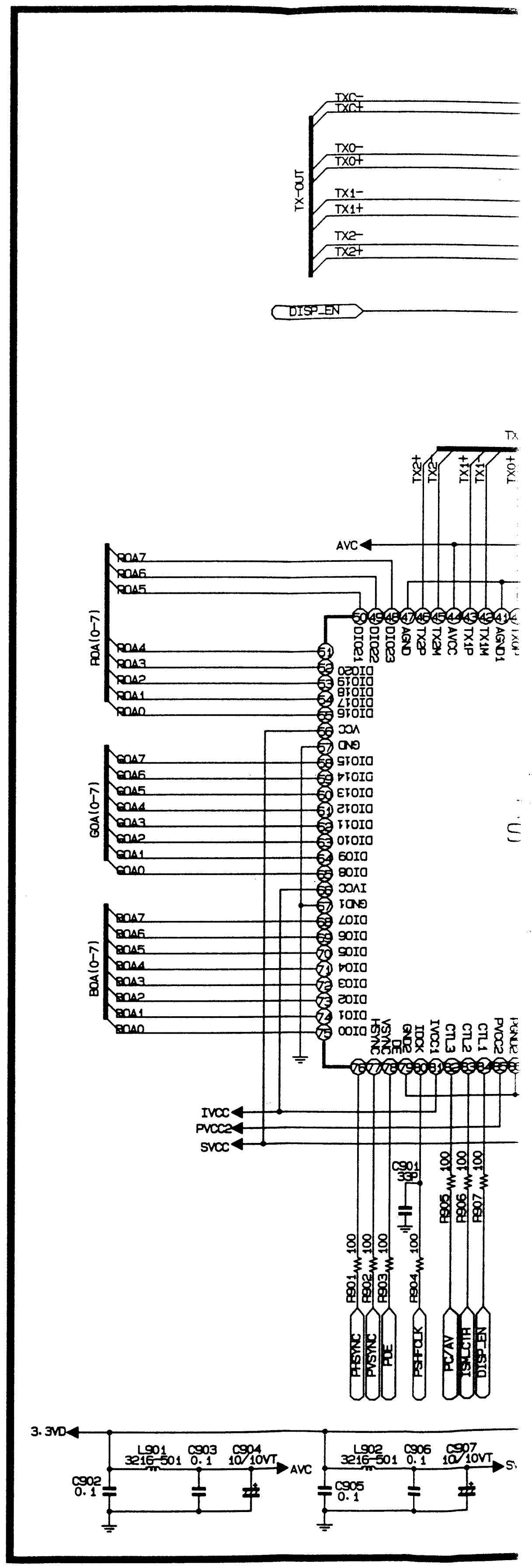
<OPTION-EXT. MEMORY>
/MCRD1
/MCRD2
/MCWR1
/MCWR2
5VST
R749
0
R748
0
C702
0.1
VCC
/OE
0C
1C
ZC
0D
1D
ZD
IC713
SN74LS157
SEL
0A
1A
ZA
0B
1B
ZB
GND
R750
0
MCA10
IC712
GM76C256C
R721
0
R722
0
A14
A12
A7
A6
A5
A4
A3
A2
A1
A0
I/01
I/02
I/03
VSS
VCC
/WE
A13
A8
A9
A11
/OE
A10
/CS
I/08
I/07
I/06
I/05
I/04
5VST
C701
0.1
R741
0
R734
0
R733
0
R732
0
R723
0
MCA7
MCA6
MCA5
MCA4
MCA3
MCA2
MCA1
MCA0
MCAD0
MCAD1
MCAD2
MCA8
MCA9
MCAD7
MCAD6
MCAD5
MCAD4
MCAD3
P1002
6PIN
C727
20P
C728
*
C729
*
C730
*
R1122 100
R1123 100
R1124 100
R1125 100
NCTL_SCL
NCTL_SDA
STB_SCL
STB_SDA
FS
5VST
R137
4.7K
P1001
D-SUB-9P
C134
0.1
5VST
C135
0.1
C136
47/10V
IC102
DS232A
C1+
V+
C1-
C2+
C2-
V-
T2OUT
R2IN
VCC
GND
T1OUT
R1IN
R1OUT
T1IN
T2IN
R2OUT
C131
0.1
C132
0.1
C133
0.1
R118
100
ZD105
0DR050008A
C111
*
ZD104
0DR050008A
ZD103
0DR050008A
R134
100
R135
100
R136
*
R133
100
C138
*
R132
100
C137
*
RXD
TXD
RS232_ID

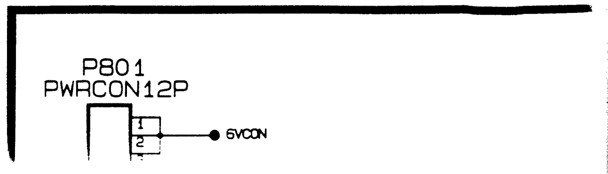

IC702
M62320FP
IC701
M62320FP
IC703
M62320FP
IC704
24LC16B
IC710
74HCT373
IC709
AT27C820
IC711
KIA7442
IC706
LMB10
IC707 74F04
INVERTER
IC708
MICOM44P
P1720
10P
SELECT
VOL-
VOL+
POWER
5VST
PC/AV
ISM_CTR
FANALARM
AV_ID
SW1
SW2
SW3
SW4
AUDIO_SW
BYPASS
RESET
INPUT_SEL
480I/P
N.7/EU
RS232_ID
PC_H
NCTL_SCL
NCTL_SDA
DISP_EN
S_ID
LED_RED
LED_GREEN
5V_MNT
BL_ON
VAVS_ON
AUDIO_MUTE
MCA(0-15)
MCAD(0-7)
MCA16
MCA17
MCALE
/MCWR
/PSEN
PCTL_SDA
PCTL_SCL
AC-DET
FS
STB_SCL
STB_SDA
RXD
TXD
REMOTE
RST_M
RST_MOUT
/MCWR1
/MCRD1
CREFCLK
PVSYNC
LED_GREEN
LED_RED
X701
14.318MHZ
L701
3216-501
L1720
3216-501
AR701
AR702
AR703
AR704
AR705
AR706
C721 104
R724 10K
C722 104
C723 104
C724 104
R725 4.7K
R726 4.7K
R726 4.7K
R727 4.7K
C1701 0.1
C1702 0.1
C719 0.1
C718 10/16V
C707 0.1
C708 0.01
C709 47/16V
C710 0.1
C711 10/16V
C703 0.1
C704 20PF
C705 82PF
R705 0
C712 33P
C713 33P
C714 0.1
C715 10/16V
C716 0.1
C717 10/16V
C726 104
C725 104
C1720 10/16
C1721 0.1
R798 10K
R795 100
R797 10
R759
R704 100
R771
P6
4P
GND
R_SPK
GND
L_SPK
P2
RCA

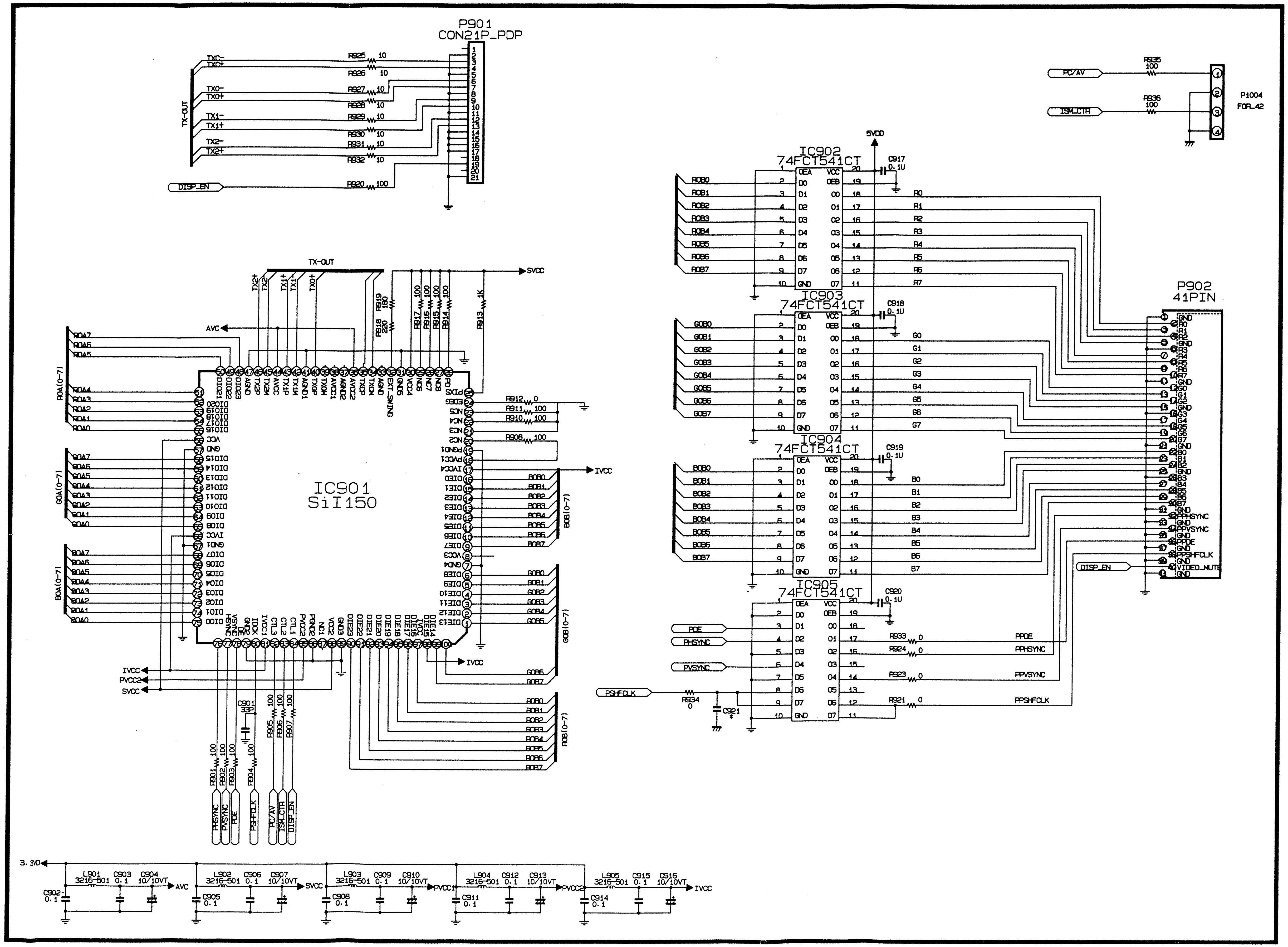

12VCON
L620
3216-501
D610 KDS226
C611 10/16V_E
C610 10/16V_E
C699 220/16V
C698 0.1
C647 100/16V_E
C648 0.1
IC605
KIA7808Pi
C609 100/16V
C608 0.1
R605 3.9K
R608 1.5K
Q601 A1504
R606 47K
R607 1.5K
C607 4700P
C606 4700P
R604 3.9K
Q602 A1504
R603 47K
R609 1K
D601 KDS184
D602 KDS184
R610 68K
C651 220/16_E
Q603 A1504
R611 100K
C652 1/50V
D603 KDS184
AUDIO_MUTE
P806B
4PIN
30V
L601 150-F09A
R627 2.7K/2W
R628 2.7K/2W
R629
R630 0
R626 0
C650
LA4282
IC603
Lin
INPUT GND
Rin
R
MUTE
OUT GND
VCC
L
OUT GND
R612 100
C653 100u/25
C654 10/16V
C655 100u/25
R619 100
C656 100u/25
R622 4.7K
C657 10U/16V OPT
C631 470/50
C630 470/50
C645 0.1
R613 3.3K
R614 1.8K
C658 0.012 MYL
C659 10/16V
R617 3.3K
C660 0.012 MYL
R618 1.8K
P601A
4PIN
GND
R_SPK
GND
L_SPK
R623 2.2/0.5W
C661 0.1u MYL
R624 2.2/0.5W
C662 0.1u MYL
P201B
RCA_2
R690 220K
R691 220K
IC601
MSP3440
CAPL_M
AHVSUP
CAPL_A
SC1_OUT_L
SC1_OUT_R
VREF1
SC2_OUT_L
SC2_OUT_R
NC
NC
DACM_SUB
NC
DACM_L
DACM_R
VREF2
DACA_L
DACA_R
NC
AHVSS
AHVSS
AGNDC
NC
SC4_IN_L
SC4_IN_R
ASG4
SC3_IN_L
SC3_IN_R
ASG2
SC2_IN_L
SC2_IN_R
ASG1
SC1_IN_L
SC1_IN_R
VREFTOP
NC
MONOIN
AVSS
AVSS
NC
NC
C613 0.1
C612 3.3/50V_E
C644 0.47/50V
R621 1K
C640 0.47/50V
R615 1K
C643 0.47/50V
R620 1K
AudioL
AudioR
C641 0.47/50V
R616 1K
C615 0.01
C614 10/16V_E
RESET_Q
I2S_DA_IN2
DVSS
DVSS
DVSS
DVSUP
DVSUP
DVSUP
ADR_CL
ADR_WS
ADR_DA
I2S_DA_IN1
I2S_DA_OUT
I2S_WS
I2S_CL
I2C_DA
I2C_CL
NC
C605 0.01
C604 10/16V_E
IC602
KIA7042
R625 1K
L603 B-501
C603 0.01
L604 B-501
C602 47/16V_E
C601 47/16V_E
R602 100
PCTL_SDA
R601 100
PCTL_SCL
AVSUP
AVSUP
ANA_IN1+
ANA_IN-
ANA_IN2+
TESTEN
XTAL_IN
XTAL_OUT
TP
AUD_CL_OUT
NC
NC
D_CTR_I/O_1
D_CTR_I/O_0
ADR_SEL
STANDBY_Q
C616 10/16V_E
L602 B-501
C617 0.01
C618 56P
C619 56P
C620 56P
C621 1P
X601 18.432M
C622 1P
C623 OPT
C624 0.01
6VDD
D604 KDS226
IC604
PQ05RF21
C625 0.1
C626 100/10V
L605 B-501
C628 0.1
C627 100/16V

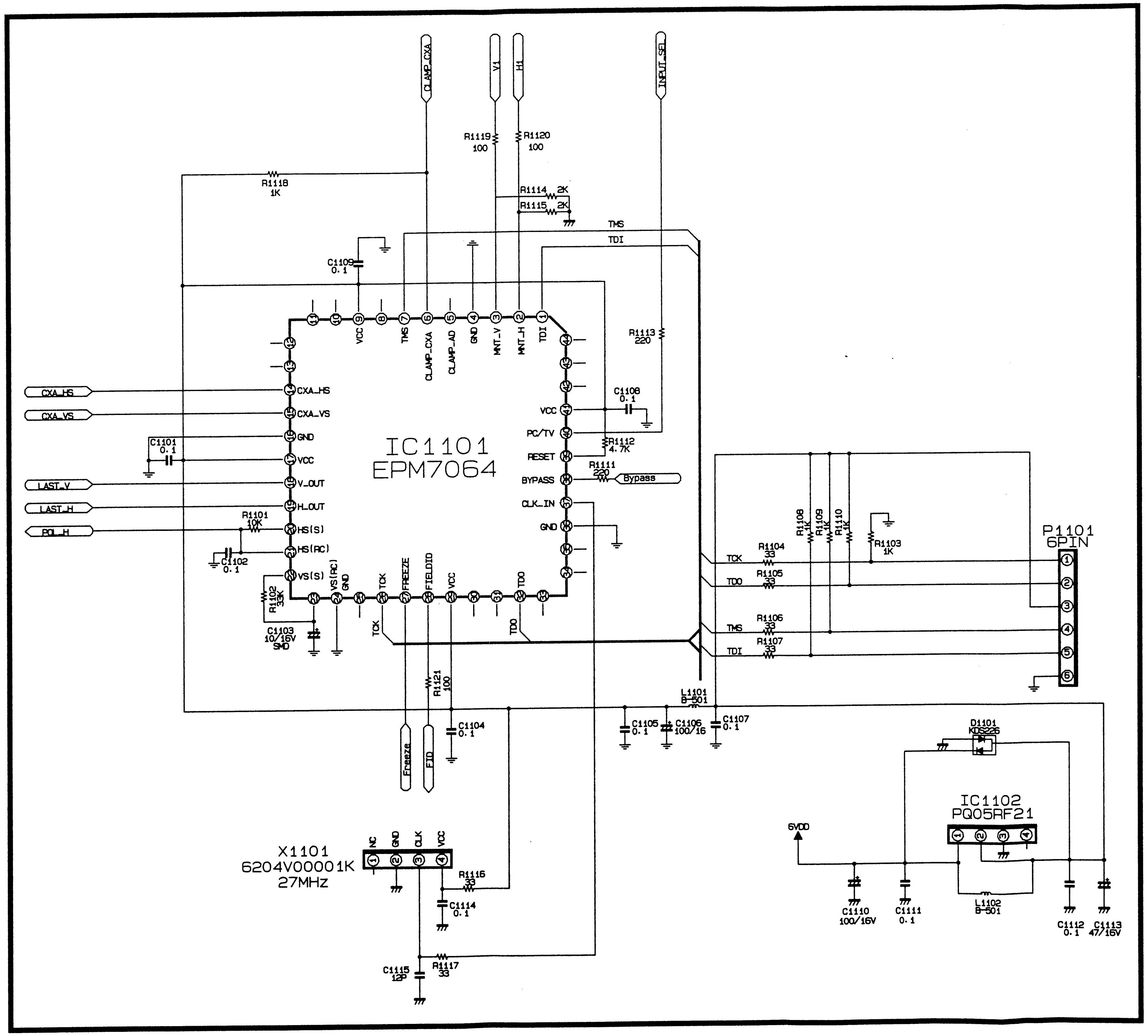
P/N: 3854VA0100A-S1(2/2)
2001.12.10

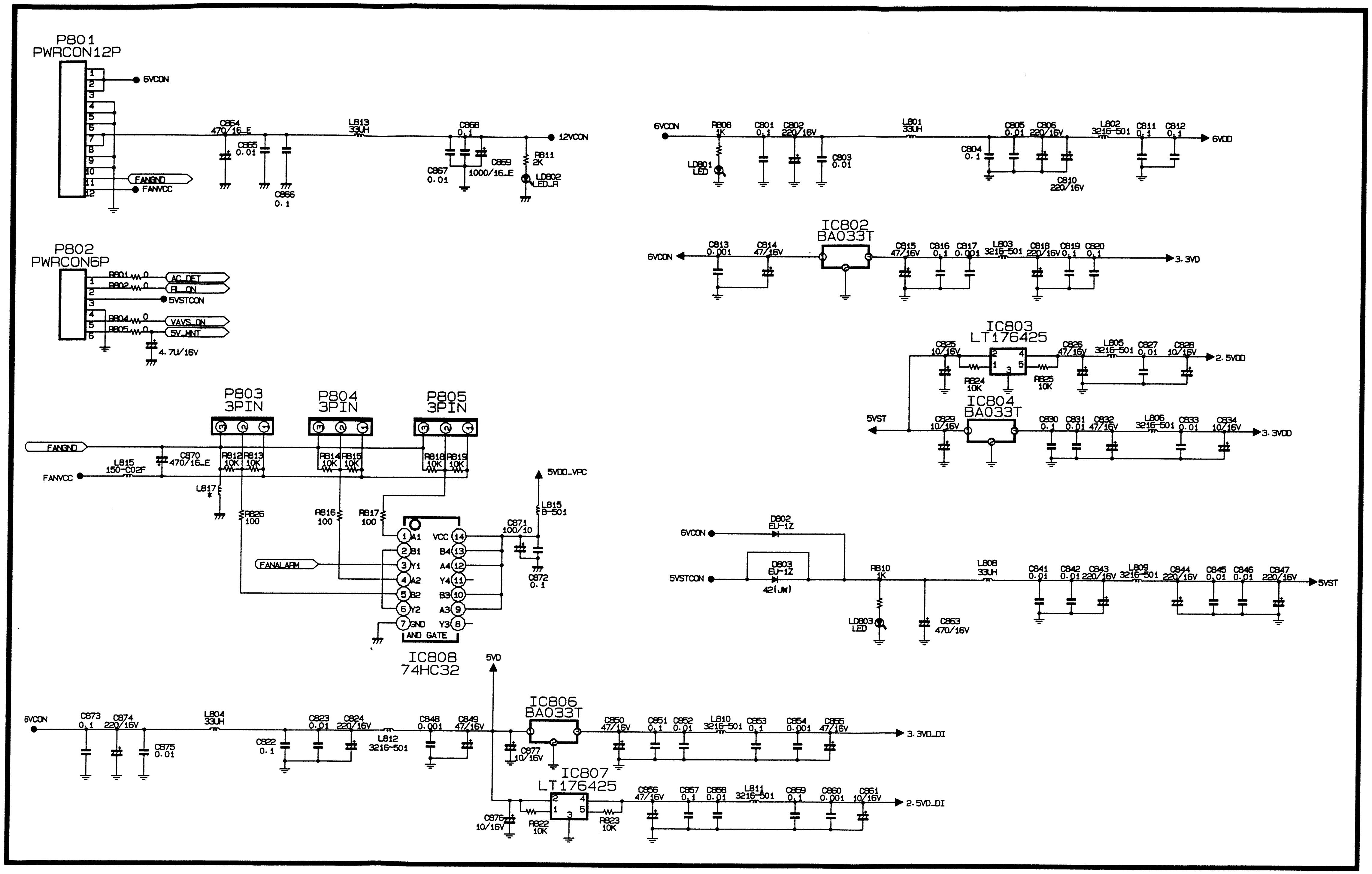

IC203
CXA2101AQ
IC204
PQ09RF21
12VCON
D250
KDS226
D252
KDS184
L252
B-501
L250
L251
L253
C292 0.1
C293 47/16
R294 22K
PCHREF
PCVREF
DI_OUT_V/R
DI_OUT_U/B
DI_OUT_Y/G
DTV_Pr
DTV_Pb
DTV_Y
H1
V1
DTV_R
DTV_B
DTV_G
PCTL_SDA
PCTL_SCL
CXA_B_OUT
CXA_G_OUT
CXA_R_OUT
CLAMP_CXA
CXA_HS
CXA_VS
H2
V2
R2
B2
G2
VCC-MAT
H3
V3
Cr
Cb
Y
GND-MAT
H4
V4
R4
B4
G4
V-PH
H5
V5
R5
B5
G5
H-PH
YG-OUT
YG-IN
IREF-SYNC
VS-OUT
HS-OUT
VCC-OUT
SCP-IN
VTIM-IN
HP-IN
GND-OUT
R-OUT
R-SH
G-OUT
G-SH
B-OUT
B-SH
IK
PABL
ABL-FIL
ABL
YS/YM-1
LR1
LG1
LB1
YS/YM-2
LR2
LG2
LB2
ADDRESS
DPIC-C
SCL
SDA
DPIC-MUTE
CLP-C
VM-OUT
VM/SHP/COL-OFF
YCBCR-SW
ECR-IN
ECB-IN
EY
V1
H1
CR1
CB1
Y1
GND-SIG
IREF-YC
VCC-SIG
SELCR-IN
SELCB-IN
SELY-IN
SELY-OUT
SELCB-OUT
SELCR-OUT
SELH-OUT
SELV-OUT
Q250 A1504
Q251 A1504
Q252 A1504
C386 180K
C387 180K
C388 180K
C274 100/16
C275 100/16
C310 47/16V


TX-OUT
TXC-
TXC+
TX0-
TX0+
TX1-
TX1+
TX2-
TX2+
DISP_EN
AVC
RDA(0-7)
GDA(0-7)
BDA(0-7)
IVCC
PVCC2
SVCC
PHSYNC
PVSYNC
PDE
PSHFCLK
PC/AV
TSALCTR
DISP_EN
3.3VD
L901 3216-501
L902 3216-501
C901 33P
C902 0.1
C903 0.1
C904 10/10VT
C905 0.1
C906 0.1
C907 10/10VT


P801
PWRCON12P
5VCON


P901
CON21P_PDP
TX-OUT
TXC-
TXC+
TX0-
TX0+
TX1-
TX1+
TX2-
TX2+
DISP_EN
R925 10
R926 10
R927 10
R928 10
R929 10
R930 10
R931 10
R932 10
R920 100
IC901
SiI150
SVCC
AVC
IVCC
PVCC2
R918 220
R919 180
R917 100
R916 100
R915 100
R914 100
R913 1K
R912 0
R911 100
R910 100
R908 100
ROA(0-7)
GOA(0-7)
BOA(0-7)
ROB(0-7)
GOB(0-7)
BOB(0-7)
C901 33P
R901 100
R902 100
R903 100
R904 100
R905 100
R906 100
R907 100
PHSYNC
PVSYNC
PDE
PSHFCLK
PC/AV
ISW_CTR
DISP_EN
5VDD
IC902
74FCT541CT
C917 0.1U
IC903
74FCT541CT
C918 0.1U
IC904
74FCT541CT
C919 0.1U
IC905
74FCT541CT
C920 0.1U
OEA
VCC
OEB
GND
R933 0
R924 0
R923 0
R921 0
R934 0
C921
PPDE
PPHSYNC
PPVSYNC
PPSHFCLK
P902
41PIN
VIDEO_MUTE
R935 100
R936 100
P1004
FOR_42
3.3VD
L901 3216-501
L902 3216-501
L903 3216-501
L904 3216-501
L905 3216-501
C902 0.1
C903 0.1
C904 10/10VT
C905 0.1
C906 0.1
C907 10/10VT
C908 0.1
C909 0.1
C910 10/10VT
C911 0.1
C912 0.1
C913 10/10VT
C914 0.1
C915 0.1
C916 10/10VT
PVCC1

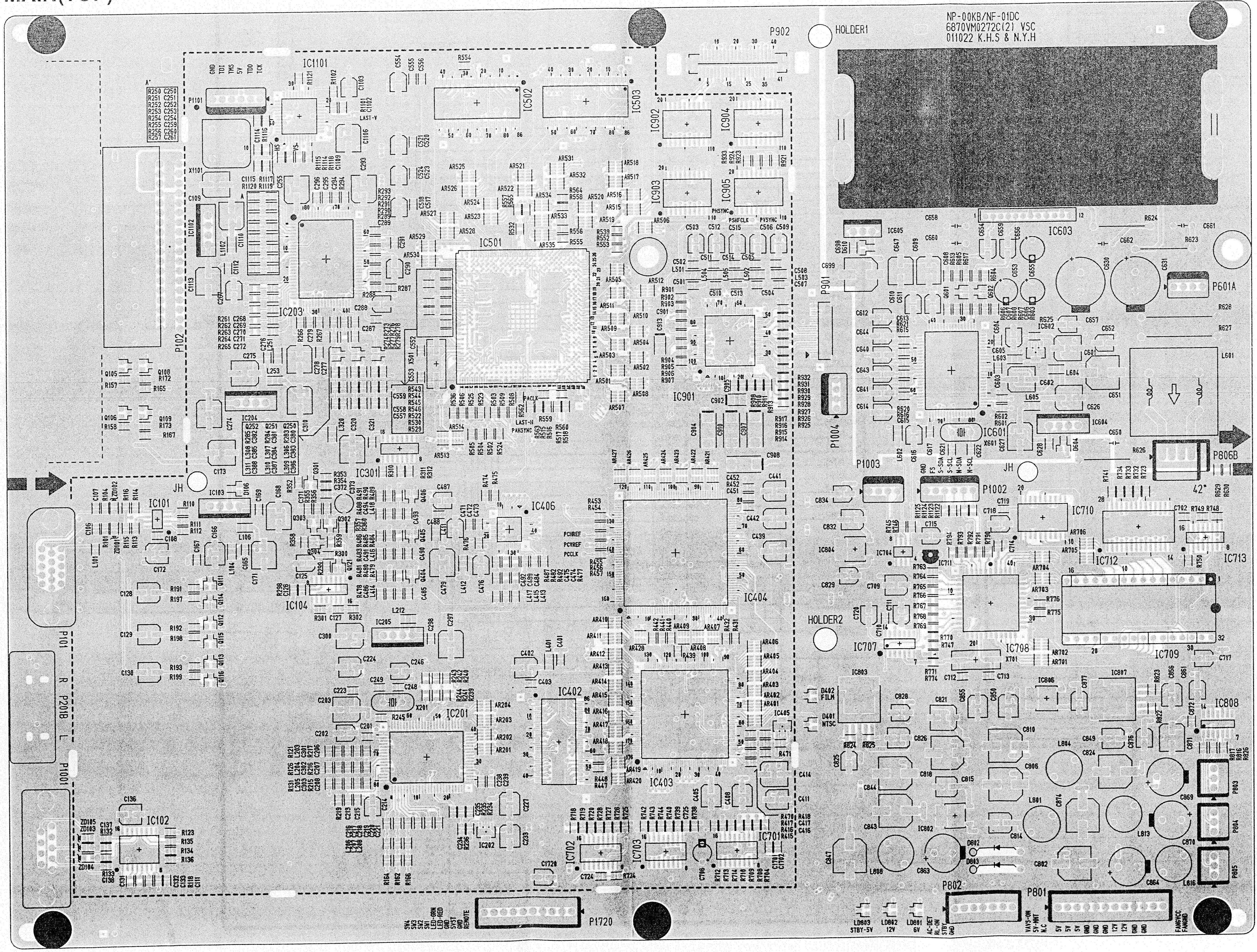

CLAMP_CXA
V1
H1
INPUT_SEL
R1119 100
R1120 100
R1118 1K
R1114 2K
R1115 2K
TMS
TDI
C1109 0.1
R1113 220
IC1101
EPM7064
VCC
TMS
CLAMP_CXA
CLAMP_AD
GND
MNT_V
MNT_H
TDI
CXA_HS
CXA_VS
GND
VCC
V_OUT
H_OUT
HS(S)
HS(RC)
VS(S)
VS(RC)
GND
TCK
FREEZE
FIELDID
VCC
TDO
PC/TV
RESET
BYPASS
CLK_IN
GND
C1108 0.1
R1112 4.7K
R1111 220
Bypass
CXA_HS
CXA_VS
LAST_V
LAST_H
POL_H
C1101 0.1
R1101 10K
C1102 0.1
R1102 33K
C1103 10/16V SMD
TCK
TDO
R1121 100
C1104 0.1
Freeze
FID
L1101 B-501
C1105 0.1
C1106 100/16
C1107 0.1
R1108 1K
R1109 1K
R1110 1K
R1103 1K
TCK
R1104 33
TDO
R1105 33
TMS
R1106 33
TDI
R1107 33
P1101
6PIN
D1101
KDS226
IC1102
PQ05RF21
6VDD
C1110 100/16V
C1111 0.1
L1102 B-501
C1112 0.1
C1113 47/16V
X1101
6204V00001K
27MHz
NC
GND
CLK
VCC
R1116 33
C1114 0.1
C1115 12P
R1117 33


P801
PWRCON12P
6VCON
FANGND
FANVCC
C864
470/16_E
C865
0.01
C866
0.1
L813
33UH
C868
0.1
C867
0.01
C869
1000/16_E
R811
2K
LD802
LED_R
12VCON
P802
PWRCON6P
R801 0
R802 0
R804 0
R805 0
AC_DET
BL_ON
5VSTCON
VAVS_ON
5V_MNT
4.7U/16V
P803
3PIN
P804
3PIN
P805
3PIN
FANGND
C870
470/16_E
L815
150-C02F
FANVCC
R812 10K
R813 10K
R814 10K
R815 10K
R818 10K
R819 10K
L817
R826
100
R816
100
R817
100
5VDD_VPC
L815
B-501
C871
100/10
C872
0.1
FANALARM
A1
B1
Y1
A2
B2
Y2
GND
VCC
B4
A4
Y4
B3
A3
Y3
AND GATE
IC808
74HC32
6VCON
R808
1K
LD801
LED
C801
0.1
C802
220/16V
C803
0.01
L801
33UH
C804
0.1
C805
0.01
C806
220/16V
C810
220/16V
L802
3216-501
C811
0.1
C812
0.1
6VDD
IC802
BA033T
6VCON
C813
0.001
C814
47/16V
C815
47/16V
C816
0.1
C817
0.001
L803
3216-501
C818
220/16V
C819
0.1
C820
0.1
3.3VD
IC803
LT176425
C825
10/16V
R824
10K
R825
10K
C826
47/16V
L805
3216-501
C827
0.01
C828
10/16V
2.5VDD
IC804
BA033T
5VST
C829
10/16V
C830
0.1
C831
0.01
C832
47/16V
L806
3216-501
C833
0.01
C834
10/16V
3.3VDD
6VCON
D802
EU-1Z
5VSTCON
D803
EU-1Z
42(JW)
R810
1K
LD803
LED
C863
470/16V
L808
33UH
C841
0.01
C842
0.01
C843
220/16V
L809
3216-501
C844
220/16V
C845
0.01
C846
0.01
C847
220/16V
5VST
6VCON
C873
0.1
C874
220/16V
C875
0.01
L804
33UH
C822
0.1
C823
0.01
C824
220/16V
L812
3216-501
C848
0.001
C849
47/16V
5VD
IC806
BA033T
C877
10/16V
C850
47/16V
C851
0.1
C852
0.01
L810
3216-501
C853
0.1
C854
0.001
C855
47/16V
3.3VD_DI
IC807
LT176425
C876
10/16V
R822
10K
R823
10K
C856
47/16V
C857
0.1
C858
0.01
L811
3216-501
C859
0.1
C860
0.001
C861
10/16V
2.5VD_DI

P/N: 3854VA0100A-S2(1/2)
2001.12.10

PRINTED CIRCUIT BOARD

MAIN(TOP)

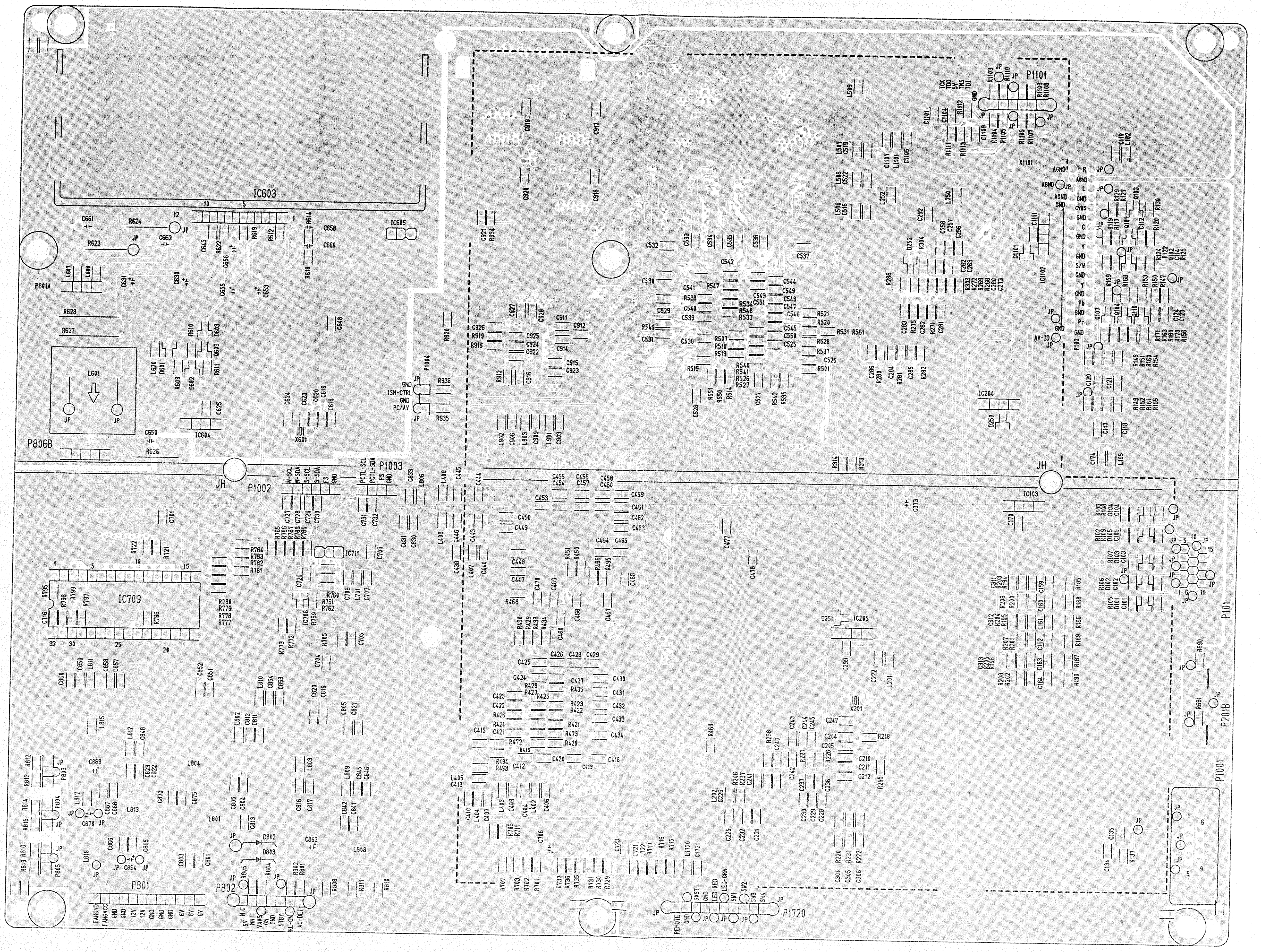


NP-00KB/NF-01DC
6870VM0272C(2) VSC
011022 K.H.S & N.Y.H
HOLDER1
HOLDER2
P902
IC1101
IC502
IC503
IC902
IC904
IC903
IC905
IC501
IC203
IC901
IC603
IC605
IC602
IC601
IC604
P601A
L601
P806B
42"
P901
P1004
P1003
P1002
JH
IC710
IC712
IC713
IC711
IC704
IC707
IC708
IC709
IC804
IC803
IC806
IC807
IC808
D402 FILM
D401 NTSC
IC802
L801
L804
L813
L806
L816
P803
P804
P805
P802
P801
LD803 STBY-5V
LD802 12V
LD801 6V
P102
P101
P201B
R
L
P1001
IC101
IC103
IC104
IC102
IC204
IC301
IC205
IC201
IC202
IC406
IC404
IC402
IC403
IC702
IC703
IC701
P1720
SW4
SW3
SW2
SW1
LED-GRN
LED-RED
GND
5VST
GND
REMOTE
PCHREF
PCVREF
PCCLK
X1101
X501
X201
X601
X701

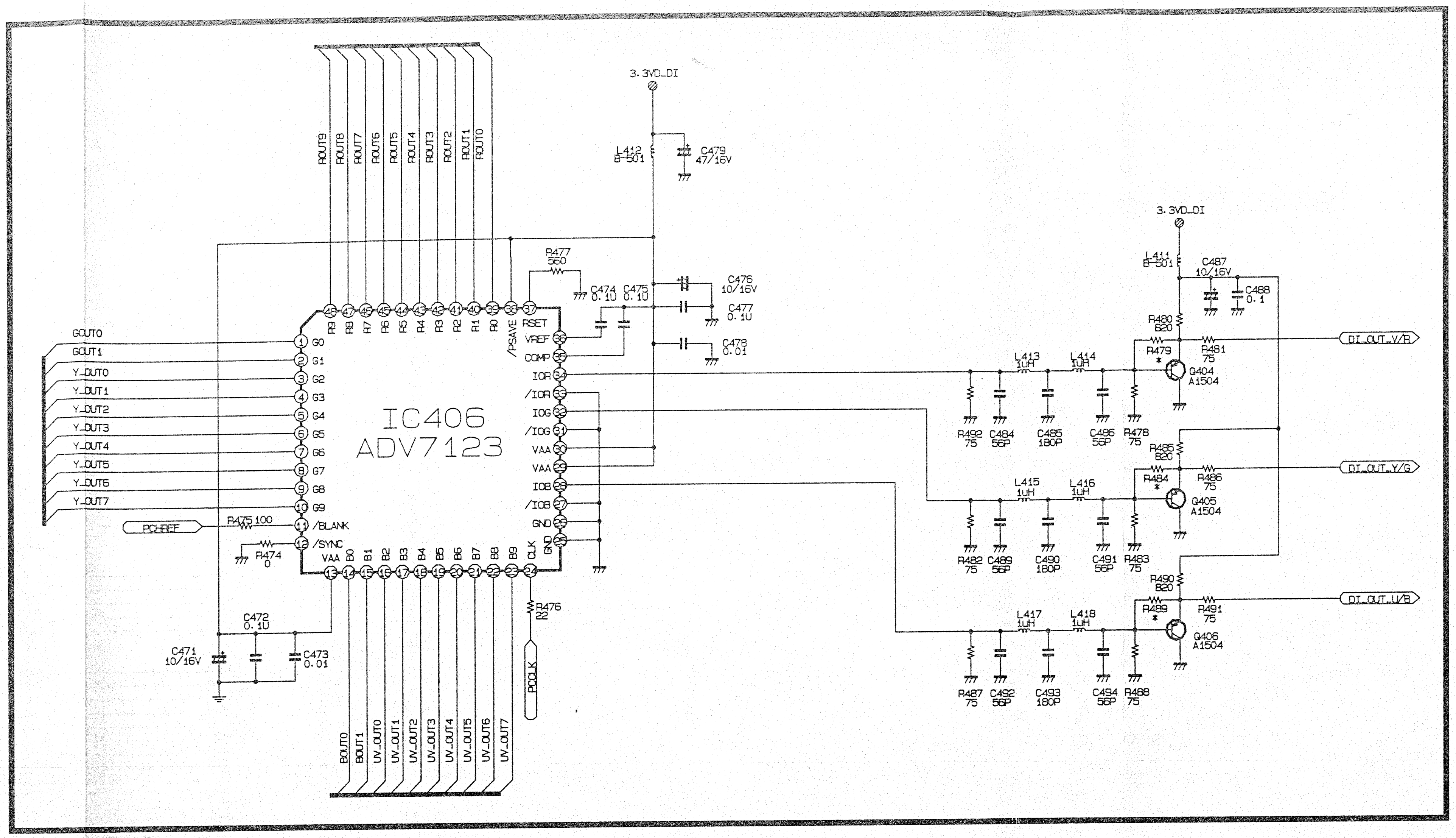
MAIN(BOTTOM)

6870VS

010615

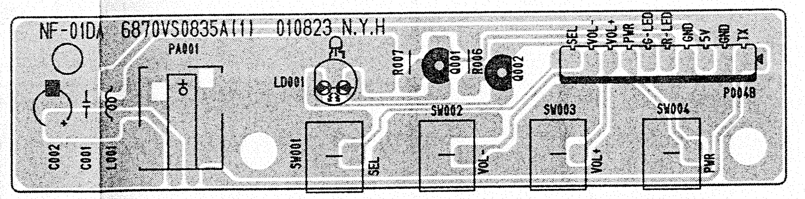

IC603
IC605
IC604
IC709
IC711
IC706
IC103
IC204
IC205
IC1102
X601
X201
X1101
L601
P601A
P806B
P1002
P1003
P1004
P1101
P101
P102
P201B
P1001
P801
P802
P1720
JH
JP
GND
ISM-CTRL
PC/AV
N-SCL
N-SDA
S-SCL
S-SDA
FS
PCTL-SCL
PCTL-SDA
AGND
CVBS
S/V
Pb
Pr
AV-ID
TCK
TDO
5V
TMS
TDI
FANGND
FANGVCC
12V
6V
5V
N.C
-PWT
VAV5
-ON
STBY
HL-ON
AC-DET
REMOTE
SVST
LED-RED
LED-GRN
SW1
SW2
SW3
SW4

P/N: 3854VA0100A-S2(2/2)
2001.12.10



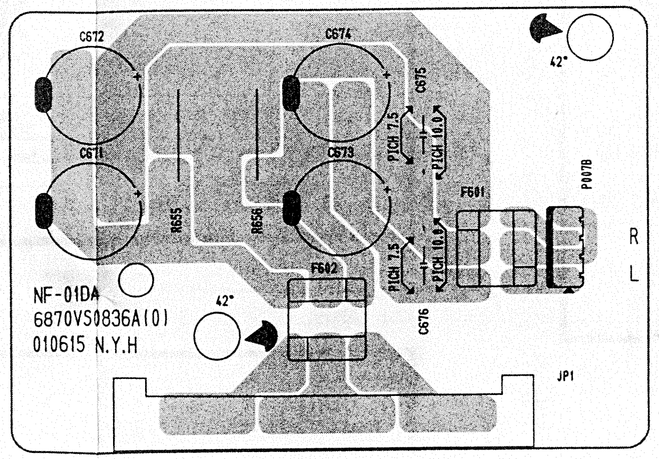
IC406
ADV7123
3.3VD_DI
L412 B-501
C479 47/16V
L411 B-501
C487 10/16V
C488 0.1
R477 560
C474 0.1U
C475 0.1U
C476 10/16V
C477 0.1U
C478 0.01
ROUT9
ROUT8
ROUT7
ROUT6
ROUT5
ROUT4
ROUT3
ROUT2
ROUT1
ROUT0
GOUT0
GOUT1
Y_OUT0
Y_OUT1
Y_OUT2
Y_OUT3
Y_OUT4
Y_OUT5
Y_OUT6
Y_OUT7
PCHREF
R475 100
R474 0
/BLANK
/SYNC
RSET
VREF
COMP
/PSAVE
IOR
/IOR
IOG
/IOG
VAA
IOB
/IOB
GND
CLK
R476 22
PCCLK
C471 10/16V
C472 0.1U
C473 0.01
BOUT0
BOUT1
UV_OUT0
UV_OUT1
UV_OUT2
UV_OUT3
UV_OUT4
UV_OUT5
UV_OUT6
UV_OUT7
L413 1uH
L414 1uH
R492 75
C484 56P
C485 180P
C486 56P
R478 75
R480 820
R479
R481 75
Q404 A1504
DI_OUT_V/R
L415 1uH
L416 1uH
R482 75
C489 56P
C490 180P
C491 56P
R483 75
R485 820
R484
R486 75
Q405 A1504
DI_OUT_Y/G
L417 1uH
L418 1uH
R487 75
C492 56P
C493 180P
C494 56P
R488 75
R490 820
R489
R491 75
Q406 A1504
DI_OUT_U/B

CONTROL



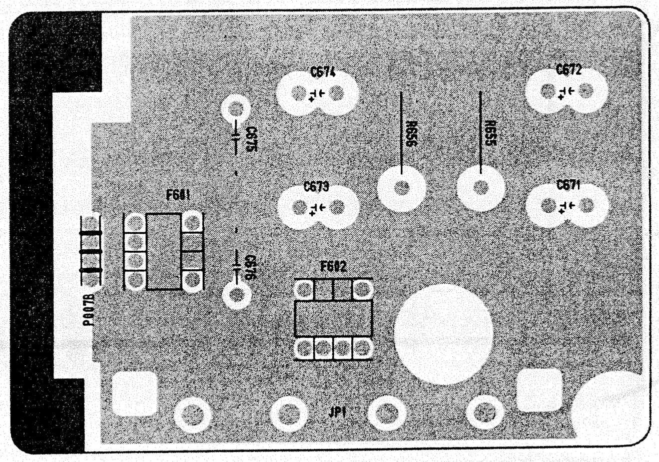
NF-01DA 6870VS0835A(1) 010823 N.Y.H
PA001
LD001
R007
Q001
R006
Q002
SEL
VOL-
VOL+
PWR
G-LED
R-LED
GND
5V
GND
TX
P004B
SW001
SW002
SW003
SW004
C002
C001
L001

SPK(TOP)



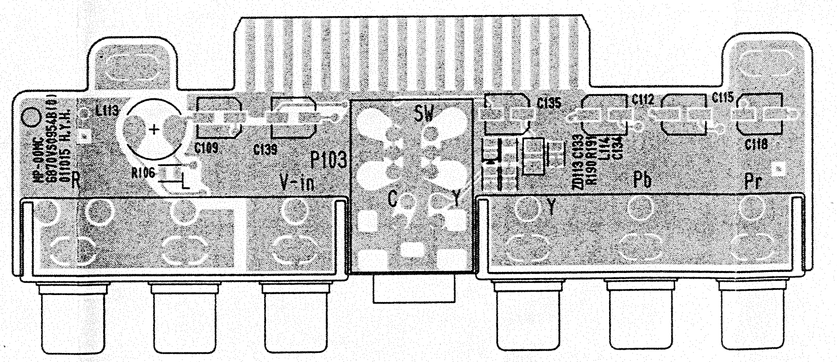
C672
C674
C671
C673
C675
C676
R655
R656
PITCH 7.5
PITCH 10.0
F601
F602
P607B
R
L
42°
NF-01DA
6870VS0836A(0)
010615 N.Y.H
JP1

SPK(BOTTOM)



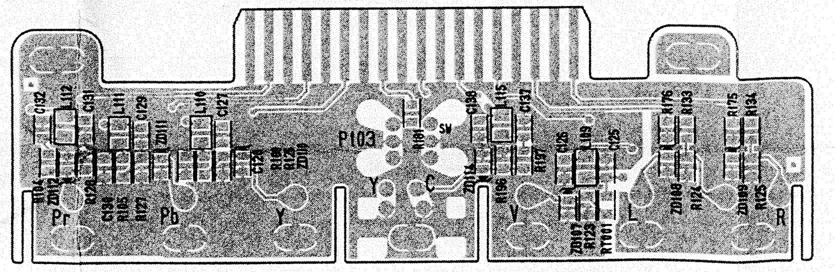
C674
C672
C673
C671
C675
C676
R656
R655
F601
F602
P607B
JP1

A/V PACK (TOP)



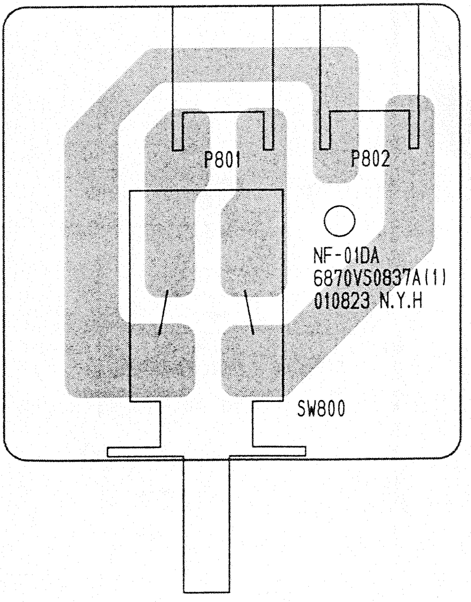
L113
R106
C109
C139
P103
V-in
SW
C
Y
C135
C112
C115
C118
Pb
Pr
R

A/V PACK (BOTTOM)

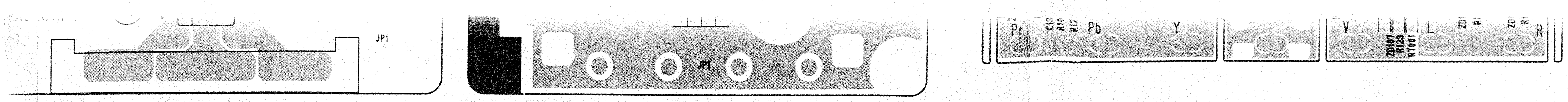


P103
SW
Pr
Pb
Y
V
C
R

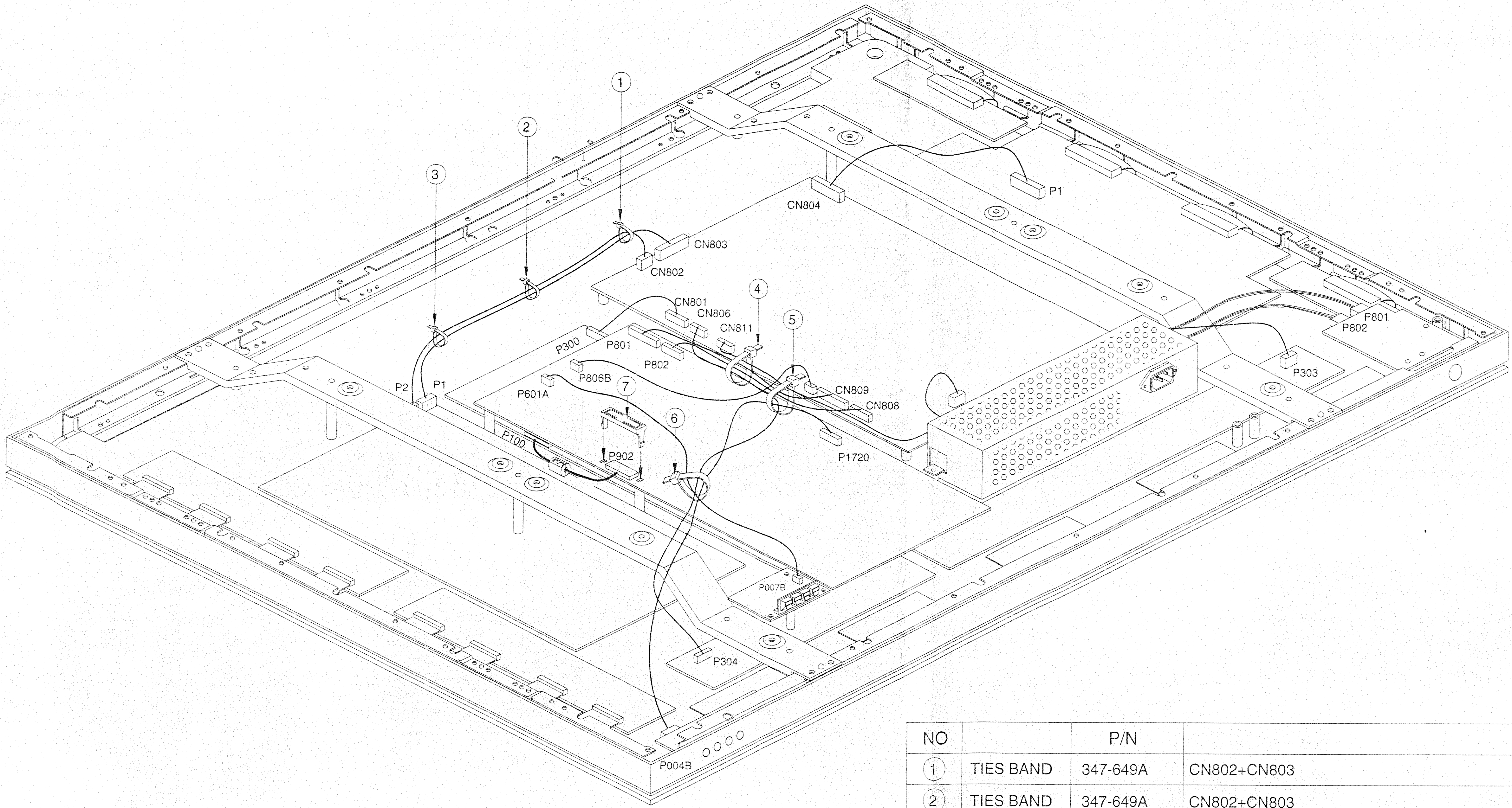
POWER S/W



P801
P802
NF-01DA
6870VS0837A(1)
010823 N.Y.H
SW800


JP1
JP1
Pr
Pb
Y
V
L
R

WIRING DIAGRAM


①
②
③
④
⑤
⑥
⑦
CN804
P1
CN803
CN802
CN801
CN806
CN811
P300
P801
P802
P806B
P601A
P2
P1
CN809
CN808
P1720
P100
P902
P007B
P304
P004B
P303
P801
P802

NO		P/N	
①	TIES BAND	347-649A	CN802+CN803
②	TIES BAND	347-649A	CN802+CN803
③	TIES BAND	347-649A	CN802+CN803
④	TIES BAND	347-649A	CN811+CN806+P801+P802
⑤	TIES BAND	347-649A	CN811+CN806+P801+P802+P1720
⑥	TIES BAND	347-649A	P004B+P304+P007B
⑦	HOLDER	4930V00160A	P902 : CONNECTOR